

NR磁胶电感

Shielded Power Inductor (NR)



特性

Characteristics

表面贴装,小型、超薄电感器,大功率,高饱和,低电阻之特性
Inductor design as surfac mounting, smallest and thinnest with hi power, high saturation and low resistance

磁性胶水涂敷结构极大减少了噪声,闭合磁路结构设计,漏磁少,抗EMI能力强

Magnetic resin shielded structure reduces buzz noise to ultra low close magnetic circuit struture reduces magnetic leakage flux, high performance of anti EMI

同等尺寸额定电流较传统电感高出30%以上

Comparison with part which same size, the rate current 30% high than the traditional inductors

工作频率范围广,可达5MHz以上

Wide range of working frequency, that reach more than 5MHz

RoHS, 无卤环保产品

RoHS, Halogen Free environmental protection products

应用

Application

LED 照明

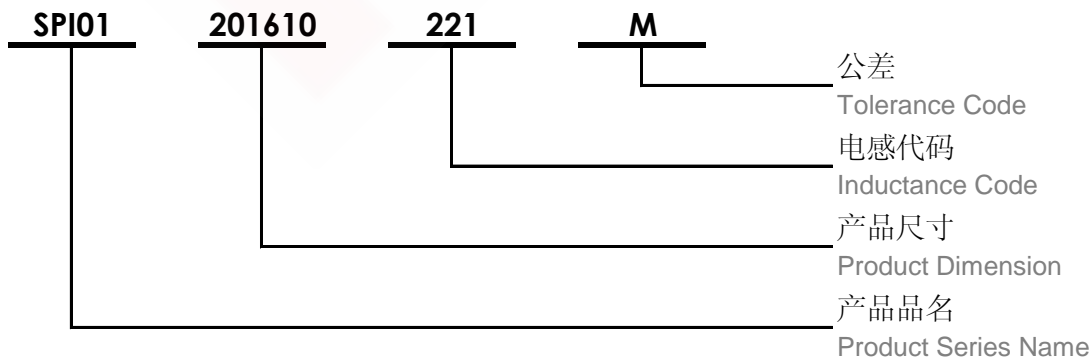
LED lighting

笔记本电脑,台式电脑,服务器,显卡

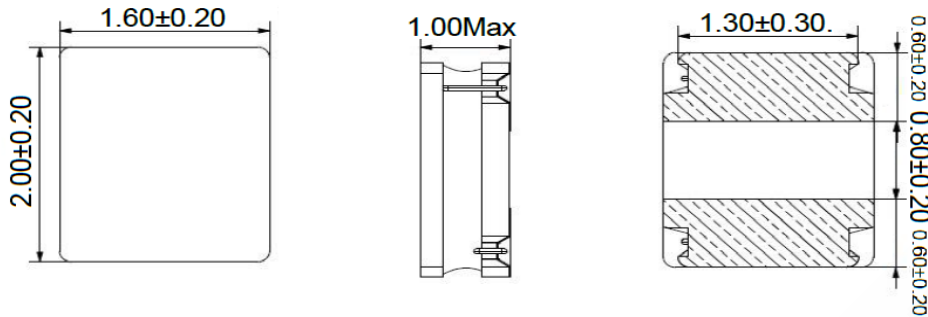
Notebooks, Desktop computers, Server, Graphic cards

产品品名介绍

Product Number Structure



尺寸 Dimension (mm)



焊盘推荐 Land Pattern Recommended (mm)

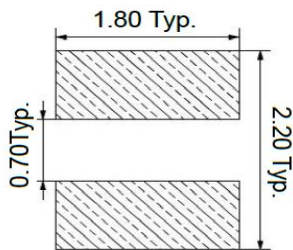


示意图 Schematics



电性特性 Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r typ 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	卷盘数量 Taping Reel Qty. pcs
SPI01-201610-R16M	0.16 ±20%	3.50	0.031	4.80	2,000
SPI01-201610-R24M	0.24 ±20%	3.20	0.040	4.10	2,000
SPI01-201610-R33M	0.33 ±20%	3.20	0.040	3.10	2,000
SPI01-201610-R47M	0.47 ±20%	2.60	0.059	2.85	2,000
SPI01-201610-R68M	0.68 ±20%	2.25	0.076	2.45	2,000
SPI01-201610-1R0M	1.00 ±20%	1.60	0.114	1.85	2,000
SPI01-201610-1R5M	1.50 ±20%	1.40	0.175	1.65	2,000
SPI01-201610-2R2M	2.20 ±20%	1.20	0.264	1.45	2,000
SPI01-201610-3R3M	3.30 ±20%	0.98	0.335	1.05	2,000
SPI01-201610-4R7M	4.70 ±20%	0.82	0.380	0.85	2,000
SPI01-201610-6R8M	6.80 ±20%	0.58	0.816	0.70	2,000
SPI01-201610-100M	10.00 ±20%	0.50	1.020	0.55	2,000

测试状态

Test Condition

☆ 电感测试条件为 1.0MHz / 1.0V

Inductance measure condition at 1.0MHz / 1.0V

☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值

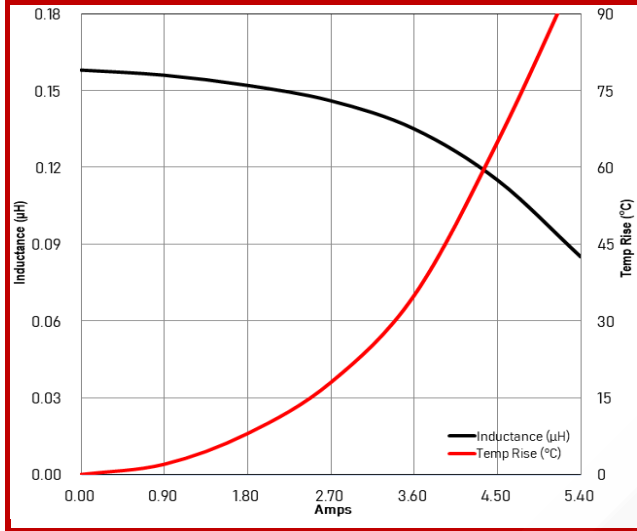
Saturation Current: The actual value of DC current when the inductance drop 30% of initial value



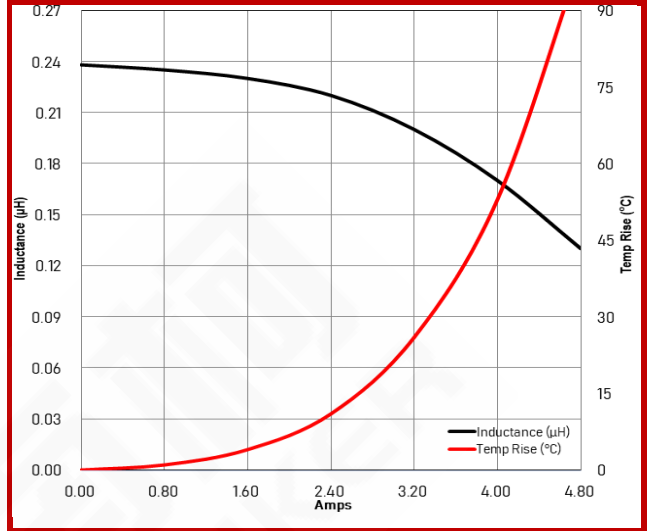
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

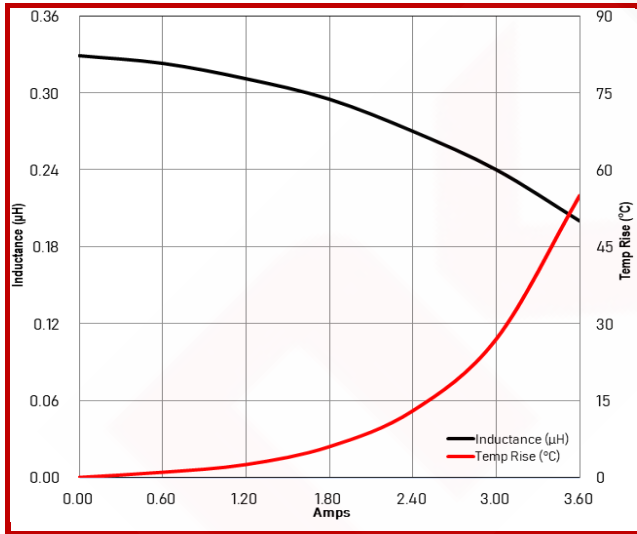
SPI01-201610-R16M



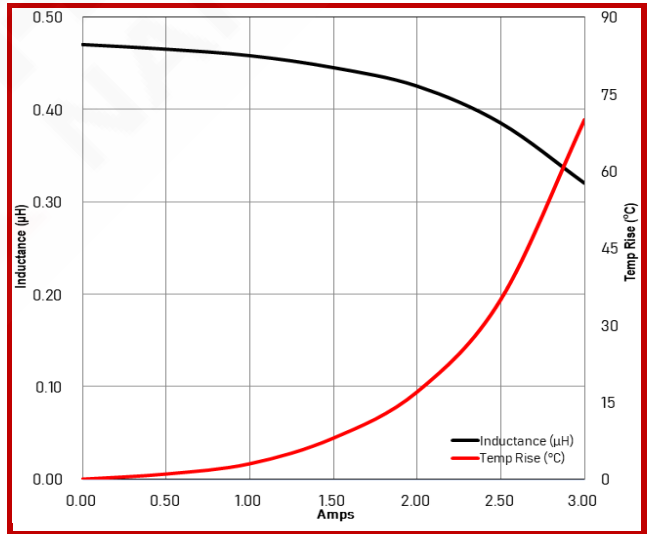
SPI01-201610-R24M



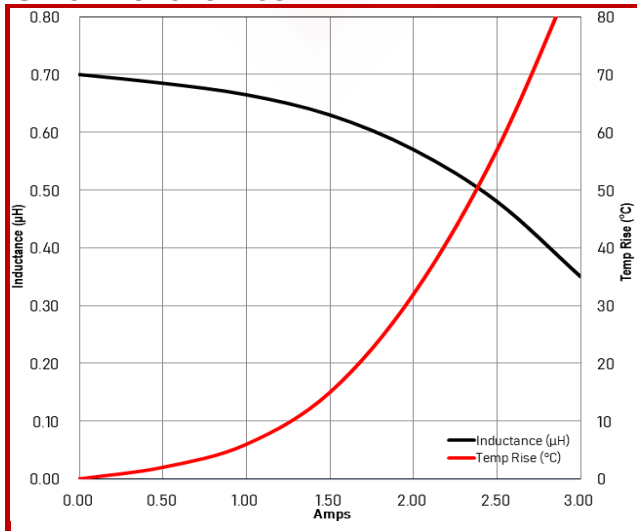
SPI01-201610-R33M



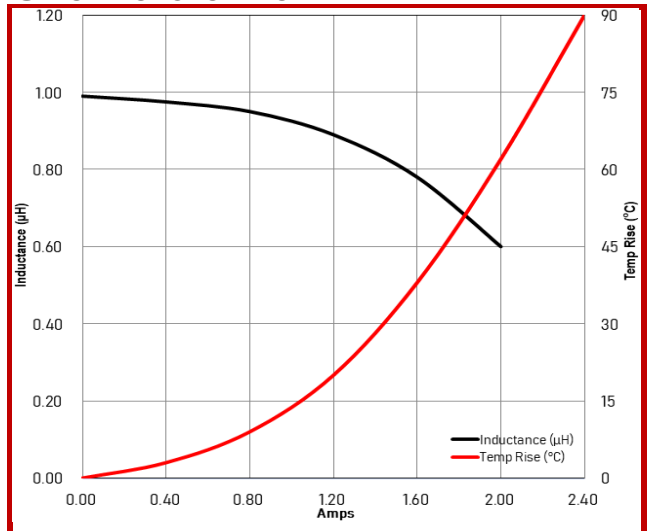
SPI01-201610-R47M



SPI01-201610-R68M



SPI01-201610-1R0M

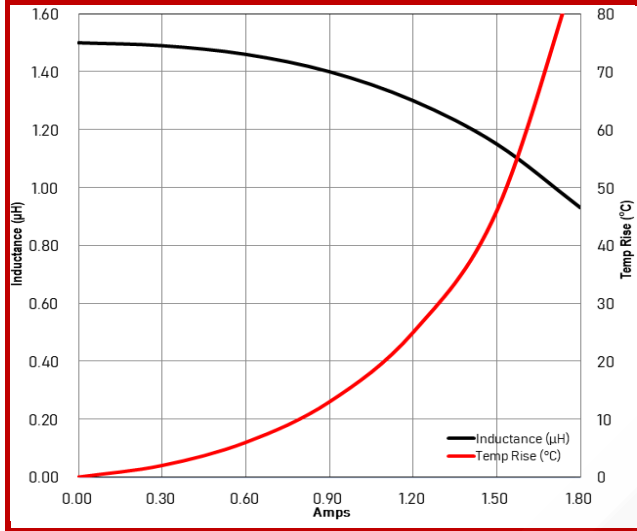




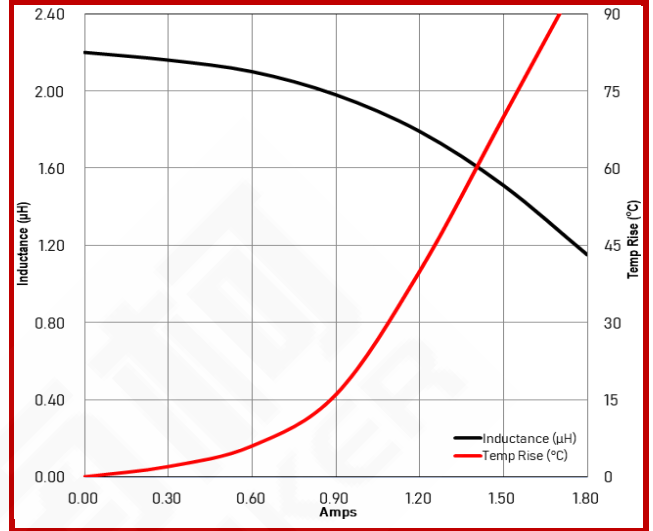
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

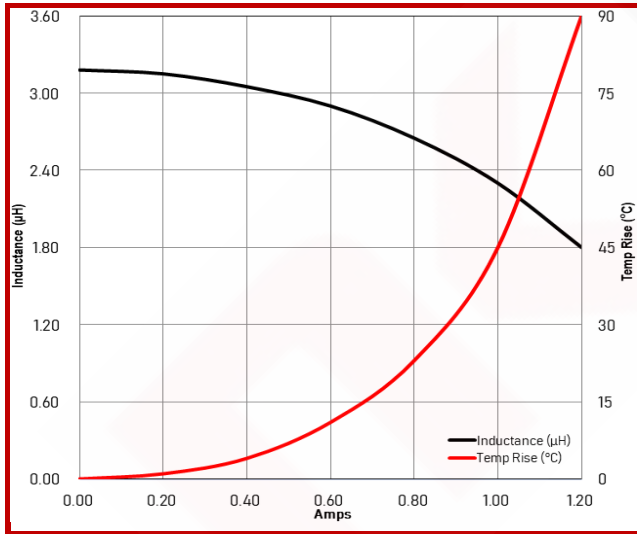
SPI01-201610-1R5M



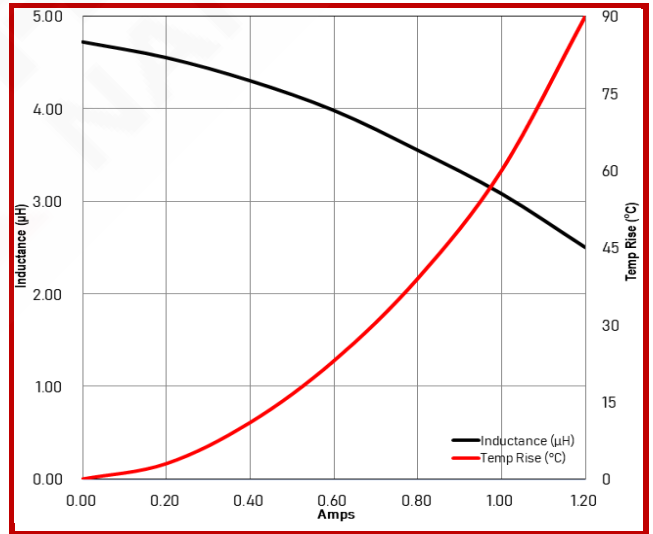
SPI01-201610-2R2M



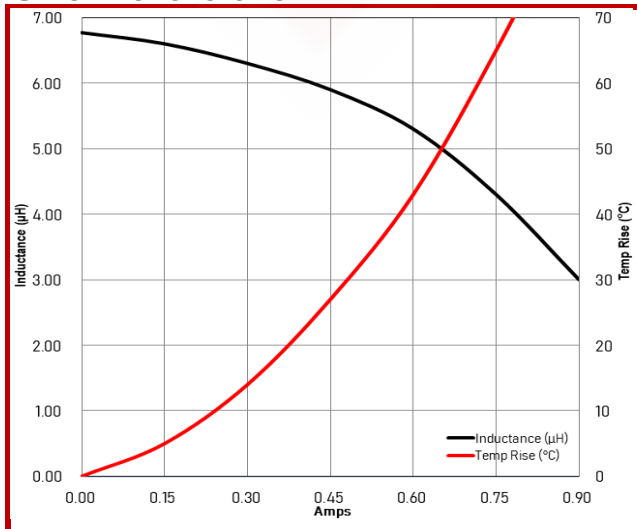
SPI01-201610-3R3M



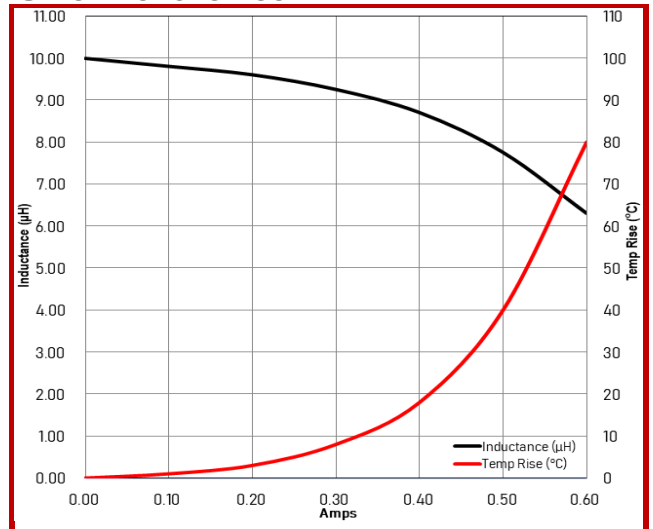
SPI01-201610-4R7M



SPI01-201610-6R8M



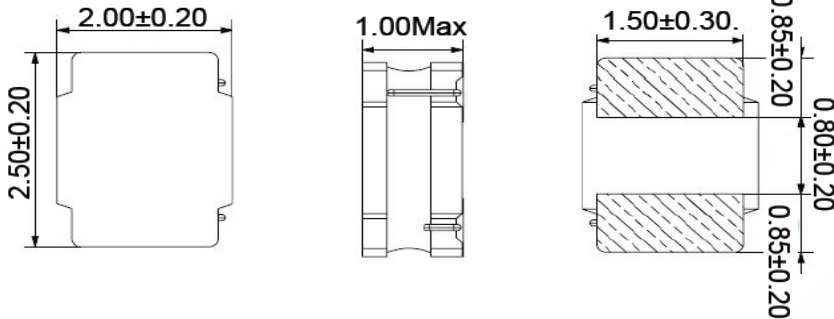
SPI01-201610-100M





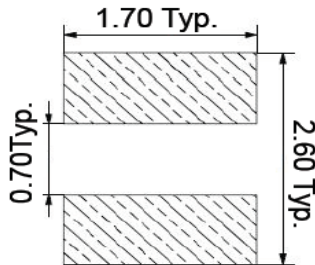
尺寸

Dimension (mm)



焊盘推荐

Land Pattern Recommended (mm)



示意图

Schematics



电性特性

Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _R typ 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	卷盘数量 Taping Reel Qty. pcs
SPI01-252010-R47M	0.47 ±20%	2.56	0.056	3.35	2,000
SPI01-252010-R56M	0.56 ±20%	2.18	0.072	3.20	2,000
SPI01-252010-R68M	0.68 ±20%	2.18	0.074	2.75	2,000
SPI01-252010-1R0M	1.00 ±20%	1.80	0.108	2.20	2,000
SPI01-252010-1R5M	1.50 ±20%	1.42	0.182	2.10	2,000
SPI01-252010-2R2M	2.20 ±20%	1.31	0.209	1.60	2,000
SPI01-252010-3R3M	3.30 ±20%	0.98	0.328	1.30	2,000
SPI01-252010-4R7M	4.70 ±20%	0.76	0.563	1.15	2,000
SPI01-252010-5R6M	5.60 ±20%	0.80	0.563	0.95	2,000
SPI01-252010-6R8M	6.80 ±20%	0.64	0.896	0.92	2,000
SPI01-252010-100M	10.00 ±20%	0.55	1.092	0.78	2,000

测试状态

Test Condition

☆ 电感测试条件为 1.0MHz / 1.0V

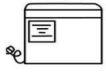
Inductance measure condition at 1.0MHz / 1.0V

☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值

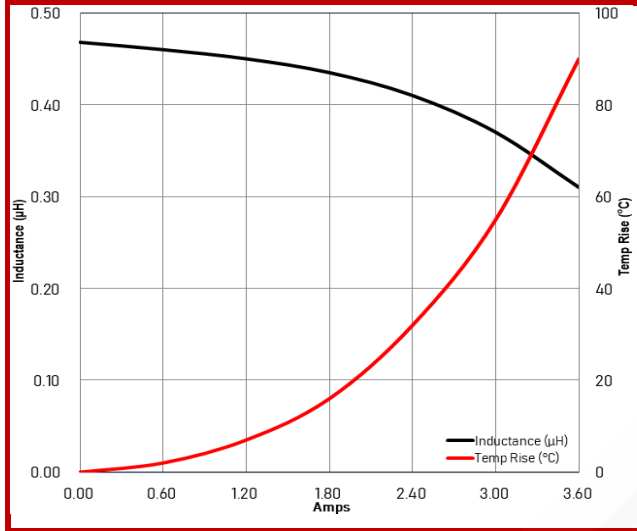
Saturation Current: The actual value of DC current when the inductance drop 30% of initial value



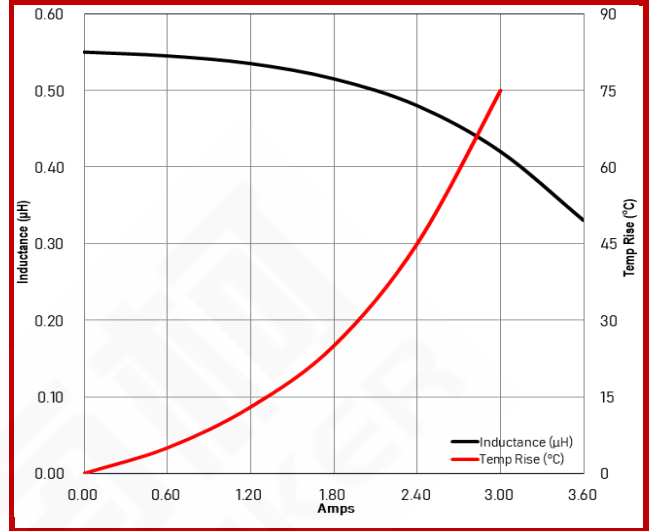
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

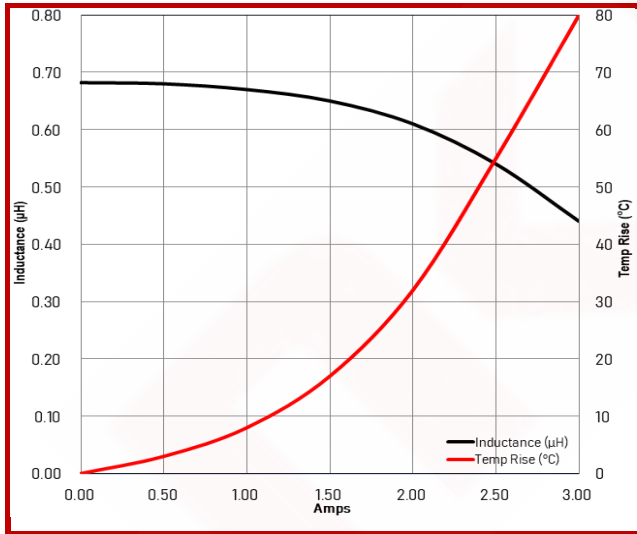
SPI01-252010-R47M



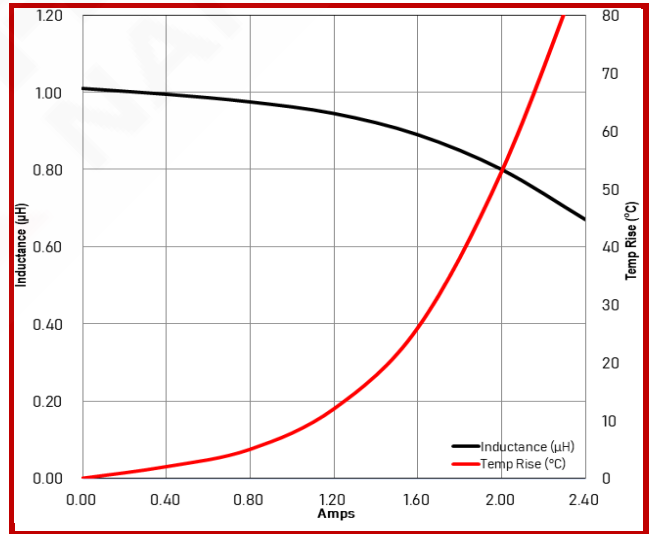
SPI01-252010-R56M



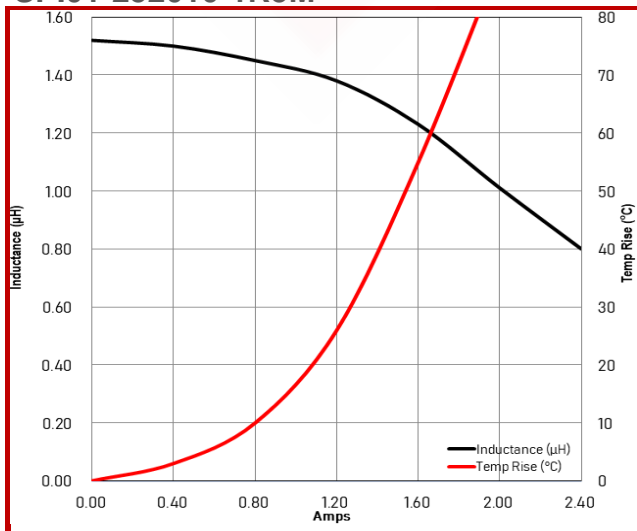
SPI01-252010-R68M



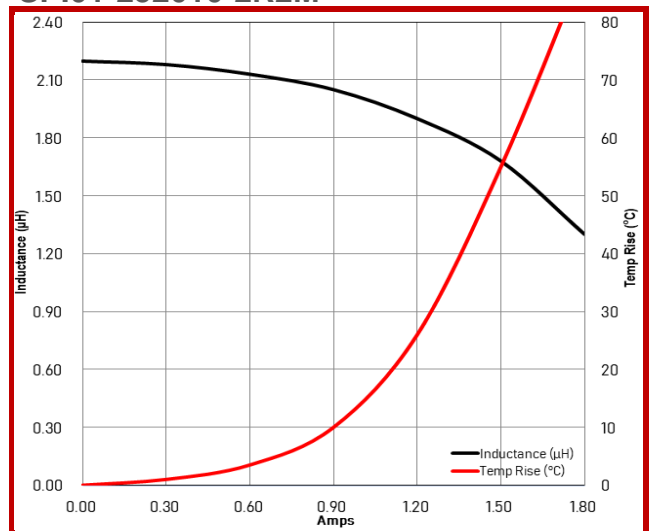
SPI01-252010-1R0M



SPI01-252010-1R5M



SPI01-252010-2R2M

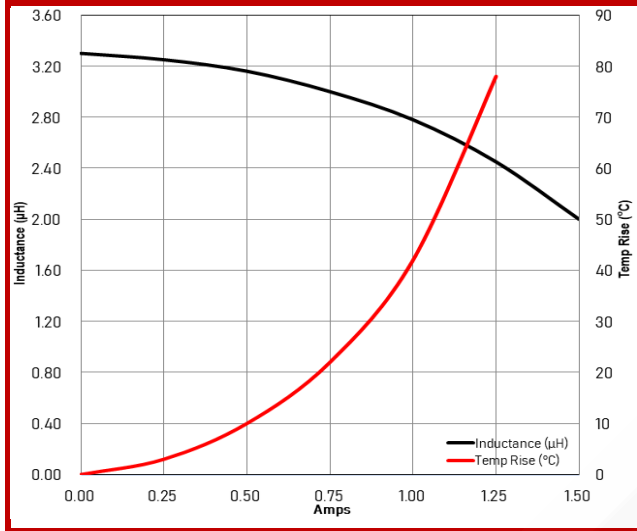




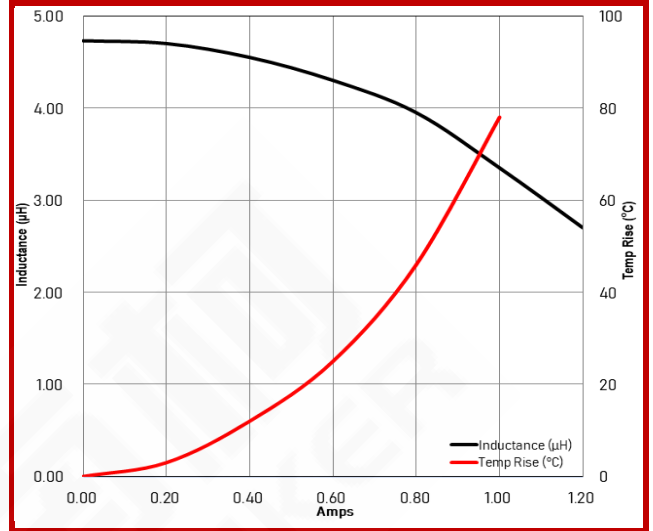
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

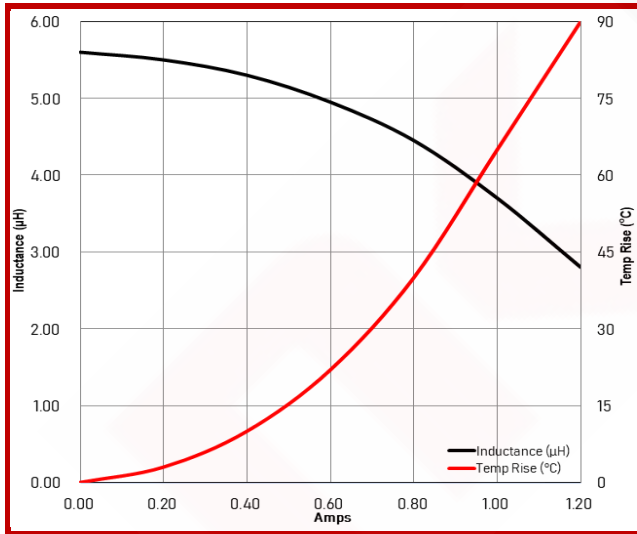
SPI01-252010-3R3M



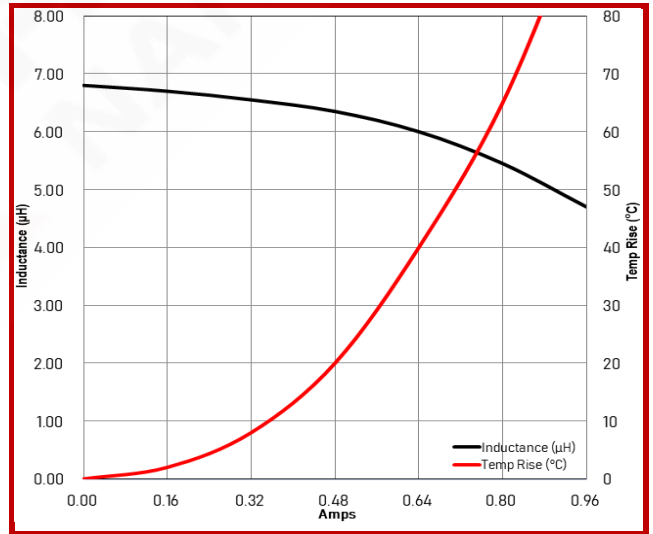
SPI01-252010-4R7M



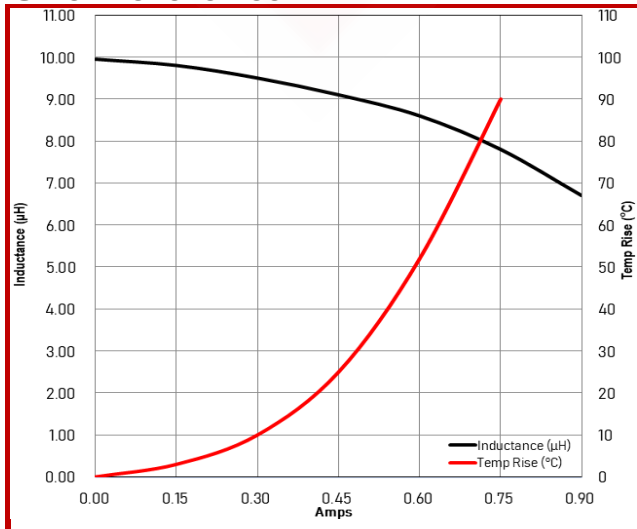
SPI01-252010-5R6M



SPI01-252010-6R8M



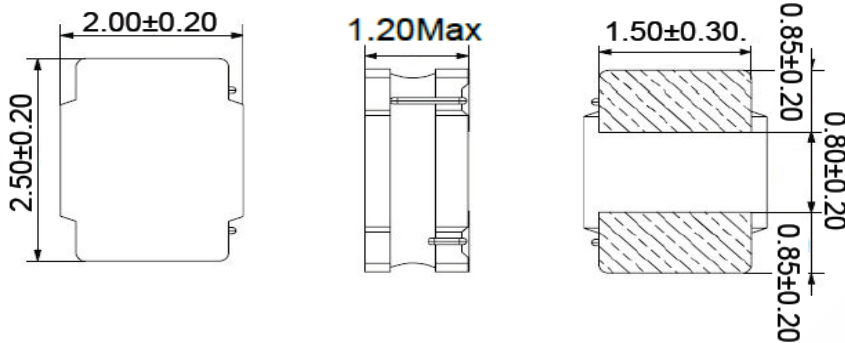
SPI01-252010-100M





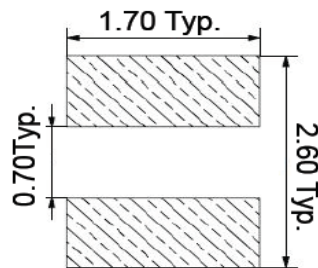
尺寸

Dimension (mm)



焊盘推荐

Land Pattern Recommended (mm)



示意图

Schematics



电性特性

Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r typ 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	卷盘数量 Taping Reel Qty. pcs
SPI01-252012-R47M	0.47 ±20%	2.34	0.061	4.27	2,500
SPI01-252012-R68M	0.68 ±20%	2.13	0.074	3.68	2,500
SPI01-252012-1R0M	1.00 ±20%	2.10	0.090	2.90	2,500
SPI01-252012-1R2M	1.20 ±20%	1.59	0.129	2.67	2,500
SPI01-252012-1R5M	1.50 ±20%	1.53	0.147	2.51	2,500
SPI01-252012-2R2M	2.20 ±20%	1.25	0.216	2.07	2,500
SPI01-252012-2R7M	2.70 ±20%	1.19	0.239	1.92	2,500
SPI01-252012-3R3M	3.30 ±20%	1.13	0.264	1.80	2,500
SPI01-252012-3R6M	3.60 ±20%	0.98	0.348	1.64	2,500
SPI01-252012-4R3M	4.30 ±20%	0.95	0.377	1.53	2,500
SPI01-252012-4R7M	4.70 ±20%	0.92	0.377	1.25	2,500

测试状态

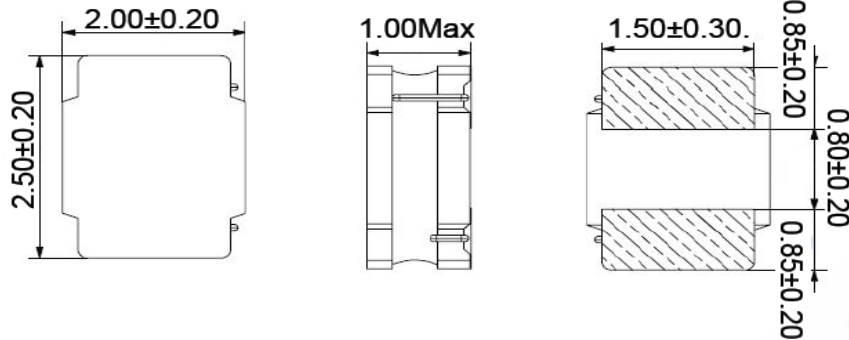
Test Condition

- ☆ 电感测试条件为 1.0MHz / 1.0V
Inductance measure condition at 1.0MHz / 1.0V
- ☆ 工作温度: -40°C ~ +125°C
Operating Temperature: -40°C ~ +125°C
- ☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 30% of initial value



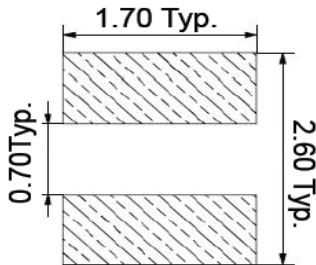
尺寸

Dimension (mm)



焊盘推荐

Land Pattern Recommended (mm)



示意图

Schematics



电性特性

Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _R typ 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	卷盘数量 Taping Reel Qty. pcs
SPI01-252012-5R1M	5.10 ±20%	0.82	0.500	1.37	2,500
SPI01-252012-5R6M	5.60 ±20%	0.80	0.538	1.25	2,500
SPI01-252012-6R2M	6.20 ±20%	0.80	0.542	1.16	2,500
SPI01-252012-6R8M	6.80 ±20%	0.75	0.581	1.09	2,500
SPI01-252012-7R5M	7.50 ±20%	0.74	0.611	1.09	2,500
SPI01-252012-8R2M	8.20 ±20%	0.71	0.658	1.10	2,500
SPI01-252012-9R1M	9.10 ±20%	0.68	0.690	1.02	2,500
SPI01-252012-100M	10.00 ±20%	0.68	0.690	0.88	2,500
SPI01-252012-120M	12.00 ±20%	0.56	1.075	0.88	2,500
SPI01-252012-150M	15.00 ±20%	0.46	1.591	0.77	2,500
SPI01-252012-220M	22.00 ±20%	0.41	1.976	0.59	2,500

测试状态

Test Condition

☆ 电感测试条件为 1.0MHz / 1.0V

Inductance measure condition at 1.0MHz / 1.0V

☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值

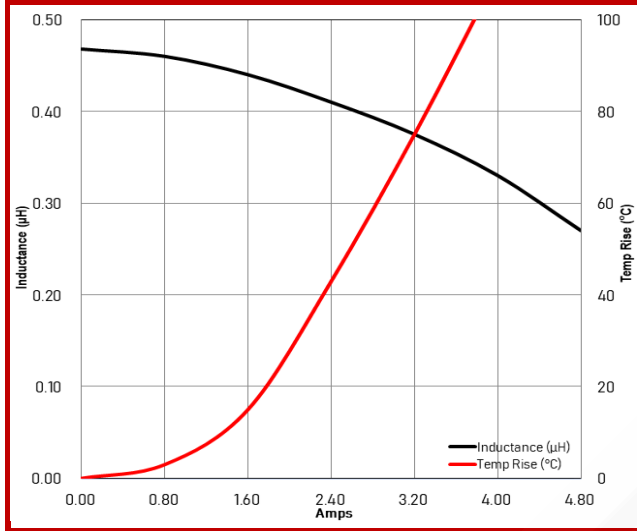
Saturation Current: The actual value of DC current when the inductance drop 30% of initial value



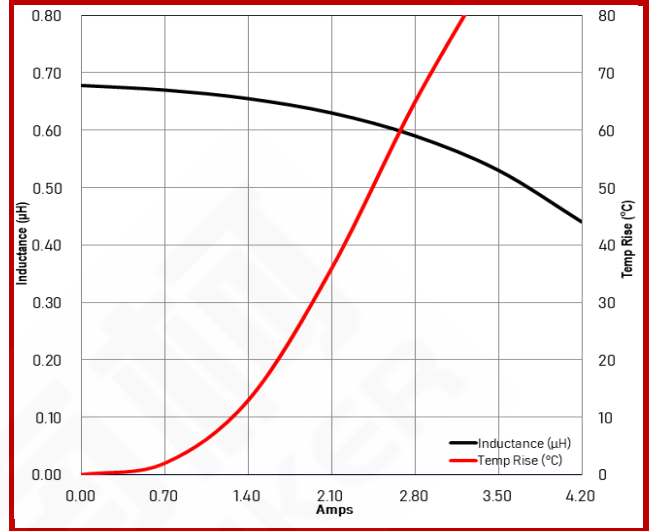
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

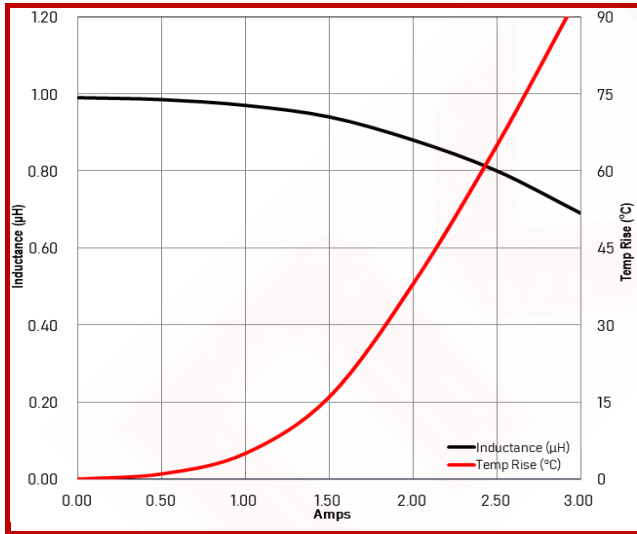
SPI01-252012-R47M



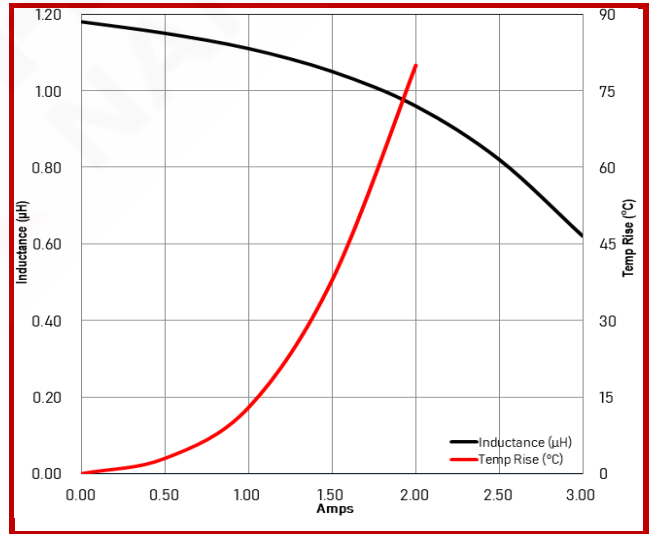
SPI01-252012-R68M



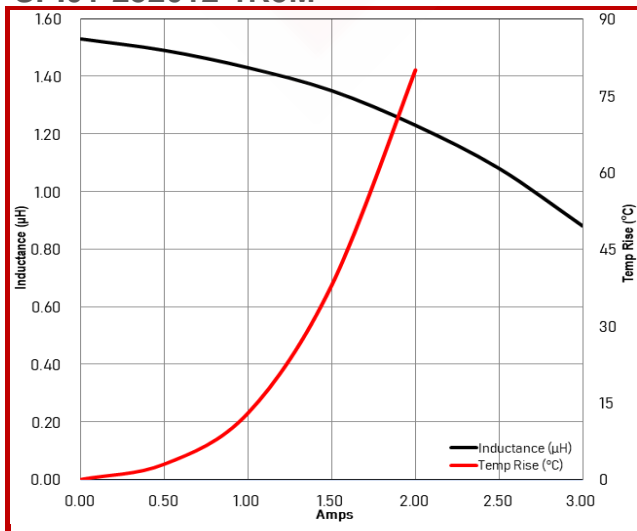
SPI01-252012-1R0M



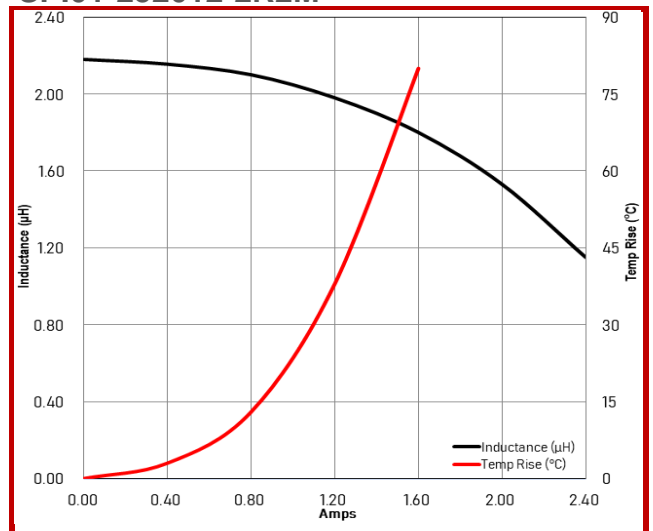
SPI01-252012-1R2M



SPI01-252012-1R5M



SPI01-252012-2R2M

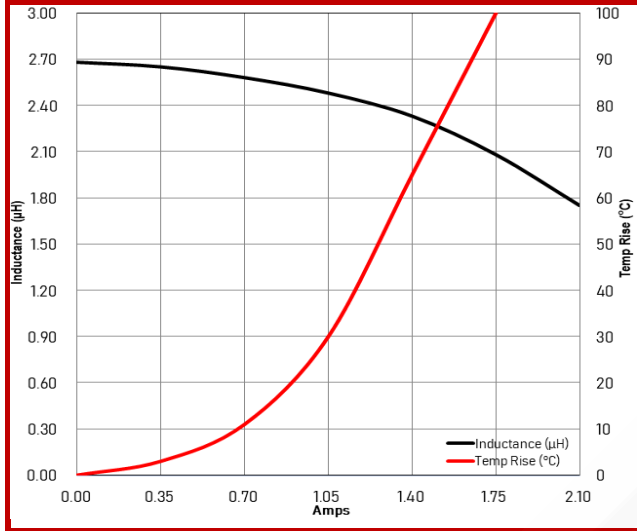




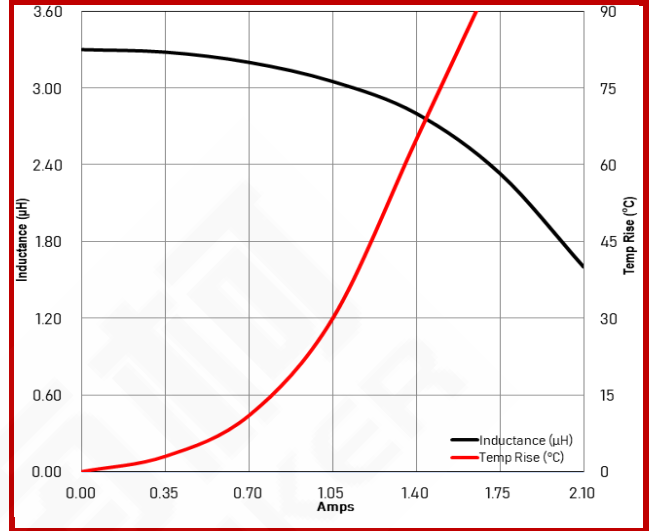
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

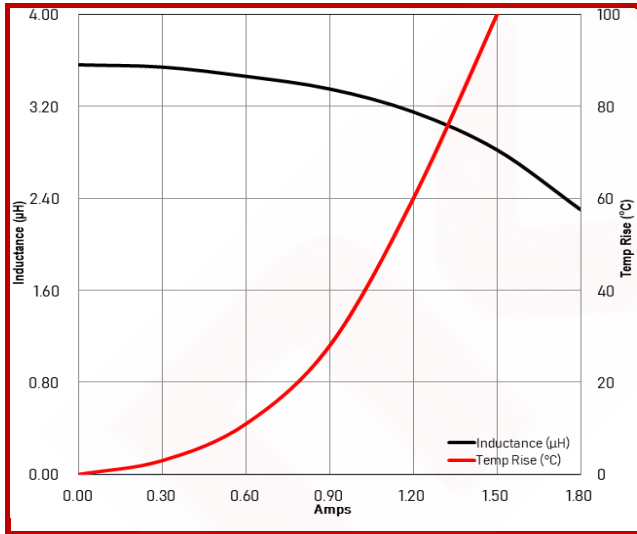
SPI01-252012-2R7M



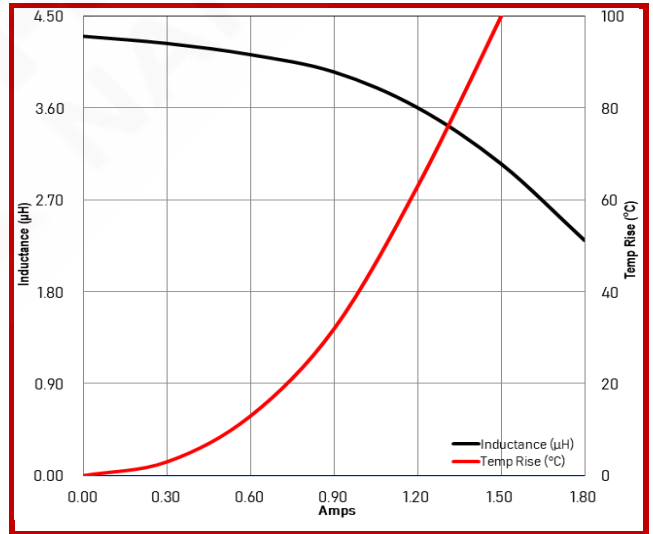
SPI01-252012-3R3M



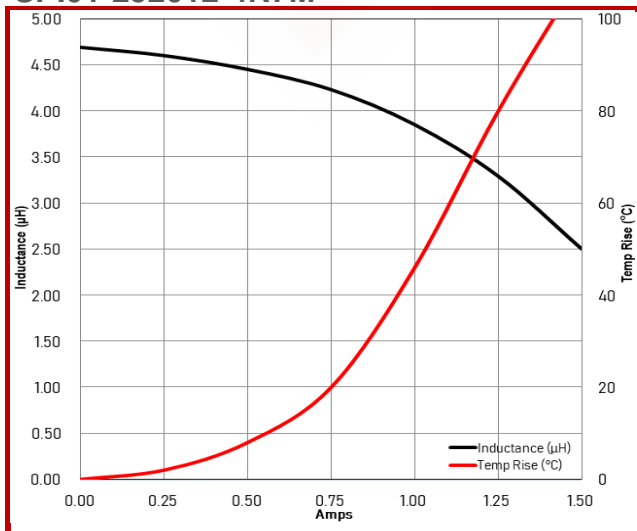
SPI01-252012-3R6M



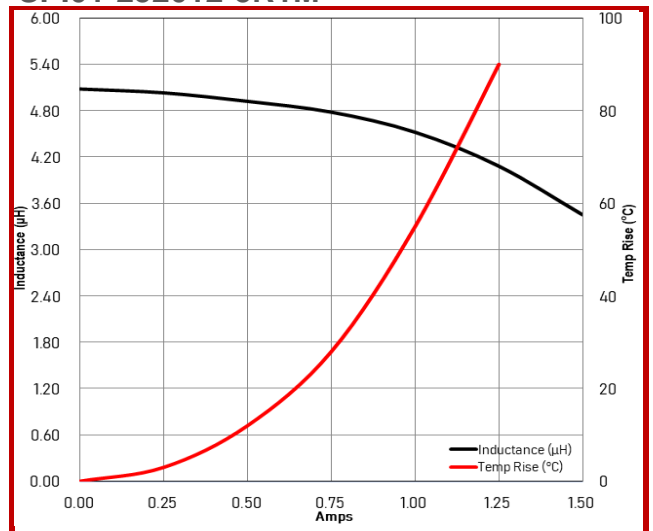
SPI01-252012-4R3M



SPI01-252012-4R7M



SPI01-252012-5R1M

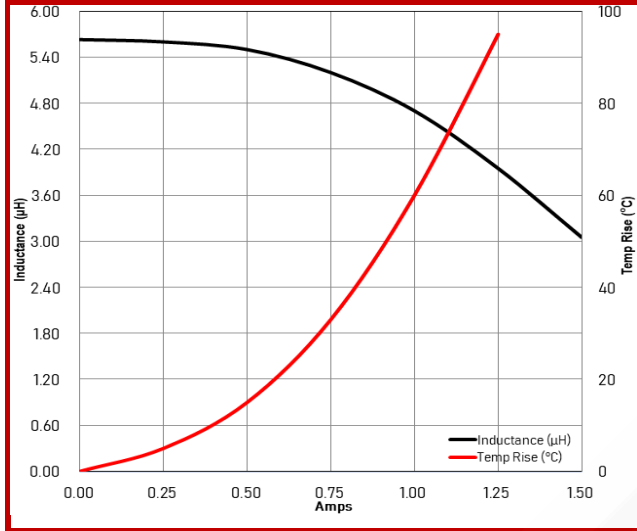




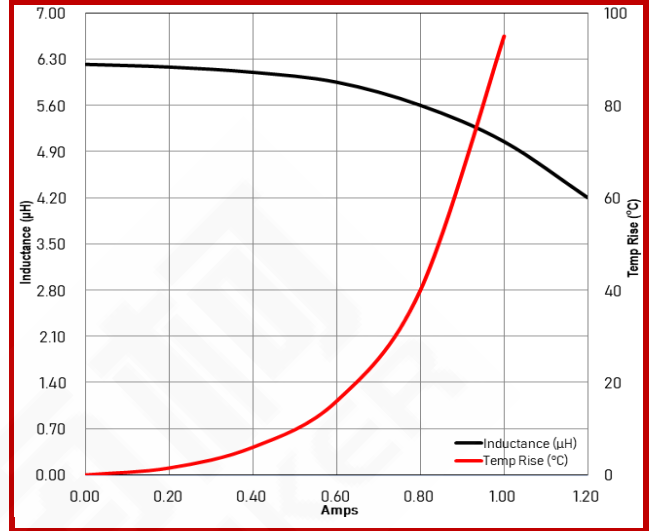
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

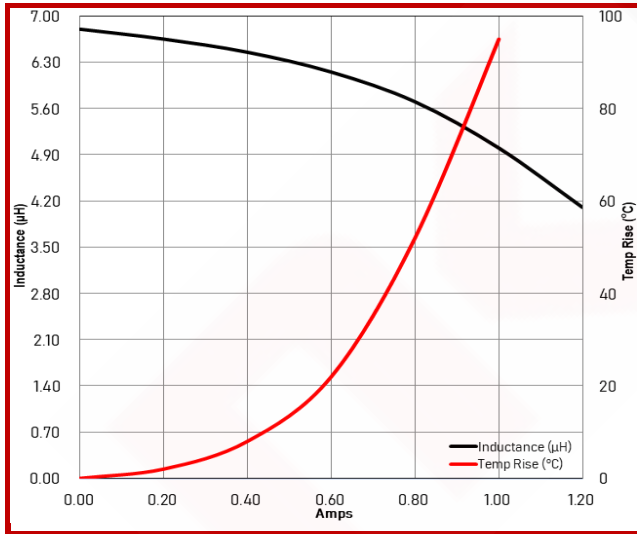
SPI01-252012-5R6M



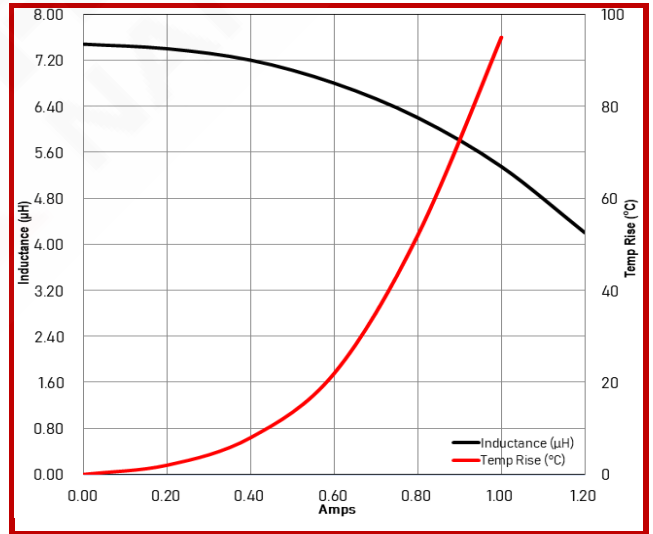
SPI01-252012-6R2M



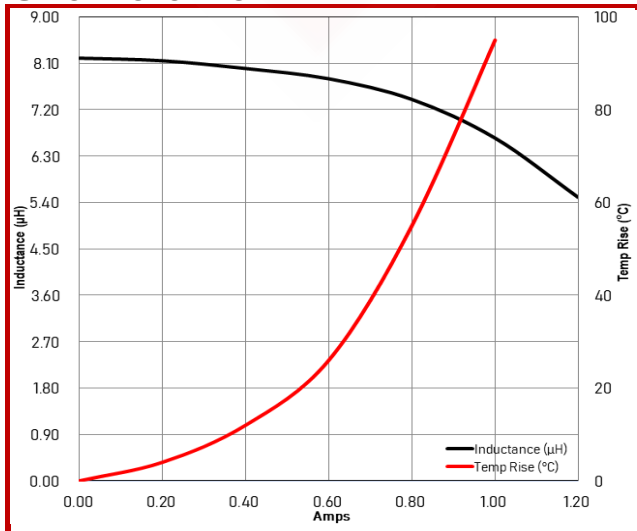
SPI01-252012-6R8M



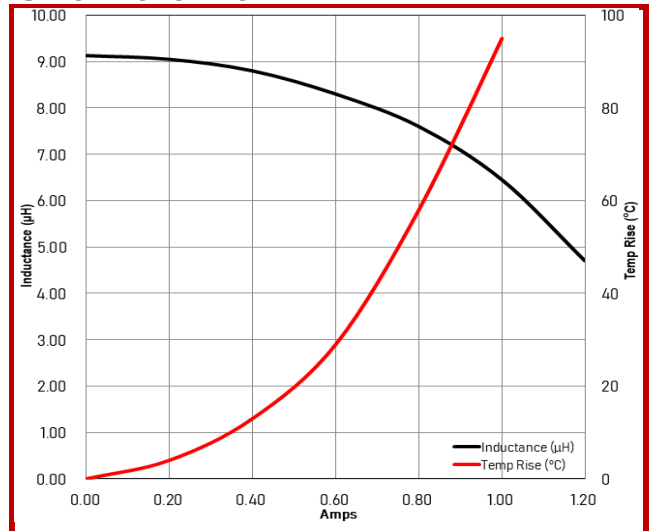
SPI01-252012-7R5M

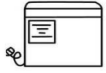


SPI01-252012-8R2M



SPI01-252012-9R1M

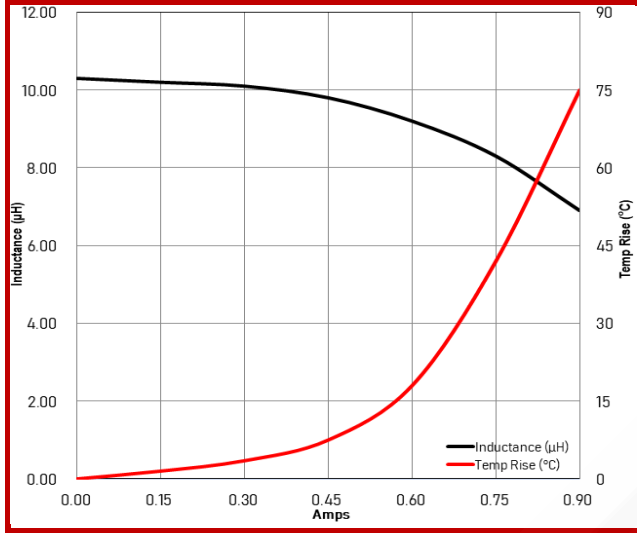




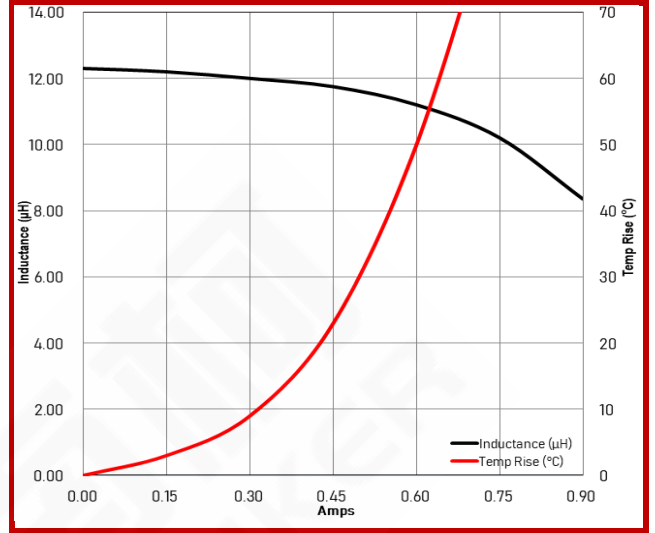
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

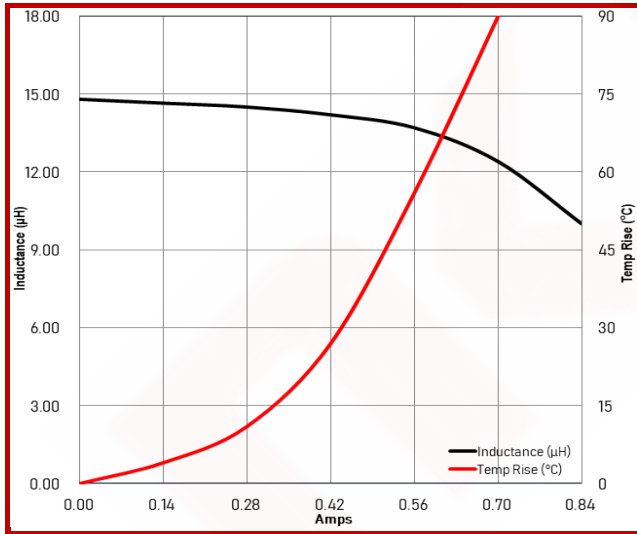
SPI01-252012-100M



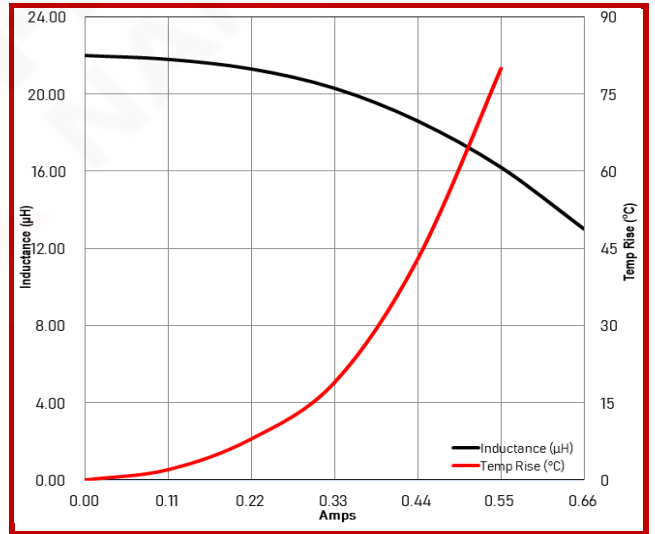
SPI01-252012-120M



SPI01-252012-150M



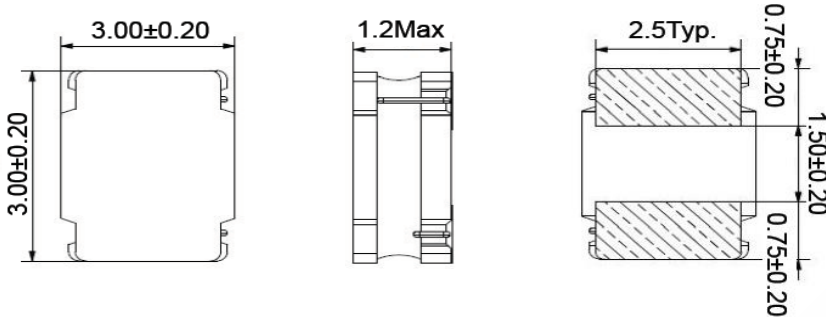
SPI01-252012-220M





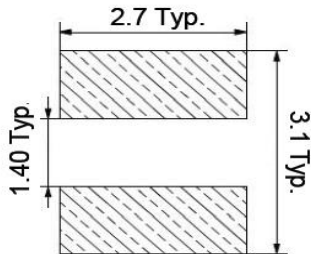
尺寸

Dimension (mm)



焊盘推荐

Land Pattern Recommended (mm)



示意图

Schematics



电性特性

Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r typ 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	卷盘数量 Taping Reel Qty. pcs
SPI01-303012-R22M	0.22 ±20%	3.30	0.022	6.00	2,000
SPI01-303012-R82M	0.82 ±20%	3.00	0.039	2.80	2,000
SPI01-303012-1R0M	1.00 ±20%	2.70	0.052	2.80	2,000
SPI01-303012-1R2M	1.20 ±20%	2.20	0.059	2.50	2,000
SPI01-303012-1R5M	1.50 ±20%	2.20	0.059	1.90	2,000
SPI01-303012-1R8M	1.80 ±20%	1.80	0.082	1.90	2,000
SPI01-303012-2R2M	2.20 ±20%	1.70	0.098	1.90	2,000
SPI01-303012-2R4M	2.40 ±20%	1.70	0.088	1.50	2,000
SPI01-303012-2R7M	2.70 ±20%	1.50	0.110	1.50	2,000
SPI01-303012-3R3M	3.30 ±20%	1.40	0.130	1.50	2,000

测试状态

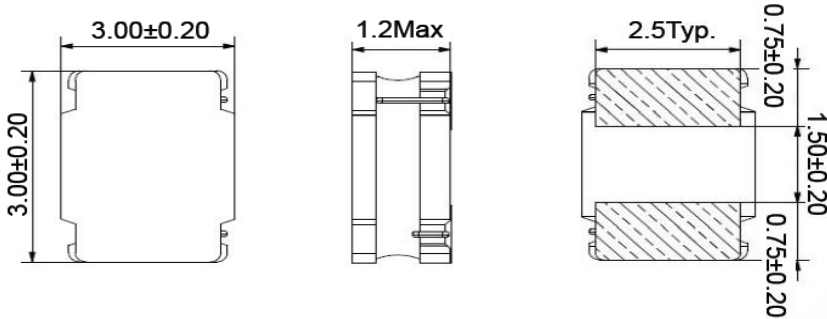
Test Condition

- ☆ 电感测试条件为 1.0MHz / 1.0V
Inductance measure condition at 1.0MHz / 1.0V
- ☆ 工作温度: -40°C ~ +125°C
Operating Temperature: -40°C ~ +125°C
- ☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 30% of initial value



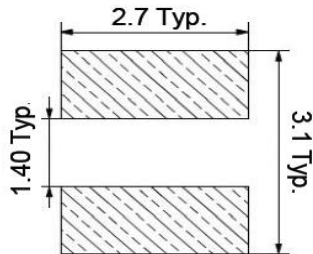
尺寸

Dimension (mm)



焊盘推荐

Land Pattern Recommended (mm)



示意图

Schematics



电性特性

Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r typ 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	卷盘数量 Taping Reel Qty. pcs
SPI01-303012-3R6M	3.60 ±20%	1.40	0.130	1.50	2,000
SPI01-303012-3R9M	3.90 ±20%	1.30	0.189	1.30	2,000
SPI01-303012-4R7M	4.70 ±20%	1.30	0.156	1.00	2,000
SPI01-303012-6R8M	6.80 ±20%	1.10	0.247	0.90	2,000
SPI01-303012-100M	10.00 ±20%	0.90	0.345	0.88	2,000
SPI01-303012-120M	12.00 ±20%	0.40	0.449	0.67	2,000
SPI01-303012-150M	15.00 ±20%	0.77	0.468	0.62	2,000
SPI01-303012-180M	18.00 ±20%	0.65	0.709	0.90	2,000
SPI01-303012-220M	22.00 ±20%	0.59	0.839	0.52	2,000
SPI01-303012-270M	27.00 ±20%	0.51	1.131	0.48	2,000

测试状态

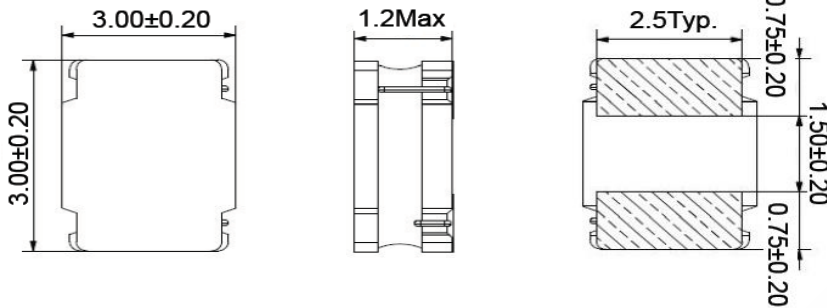
Test Condition

- ☆ 电感测试条件为 1.0MHz / 1.0V
Inductance measure condition at 1.0MHz / 1.0V
- ☆ 工作温度: -40°C ~ +125°C
Operating Temperature: -40°C ~ +125°C
- ☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 30% of initial value



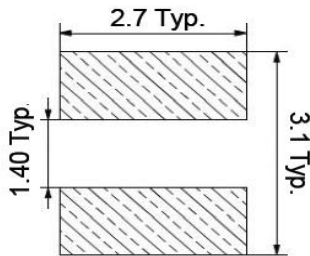
尺寸

Dimension (mm)



焊盘推荐

Land Pattern Recommended (mm)



示意图

Schematics



电性特性

Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r typ 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	卷盘数量 Taping Reel Qty. pcs
SPI01-303012-330M	33.00 ±20%	0.50	1.138	0.46	2,000
SPI01-303012-360M	36.00 ±20%	0.48	1.235	0.44	2,000
SPI01-303012-390M	39.00 ±20%	0.41	1.729	0.39	2,000
SPI01-303012-470M	47.00 ±20%	0.40	1.885	0.35	2,000
SPI01-303012-560M	56.00 ±20%	0.40	1.794	0.33	2,000
SPI01-303012-680M	68.00 ±20%	0.37	2.171	0.29	2,000
SPI01-303012-820M	82.00 ±20%	0.31	3.302	0.27	2,000
SPI01-303012-101M	100.00 ±20%	0.29	3.718	0.23	2,000

测试状态

Test Condition

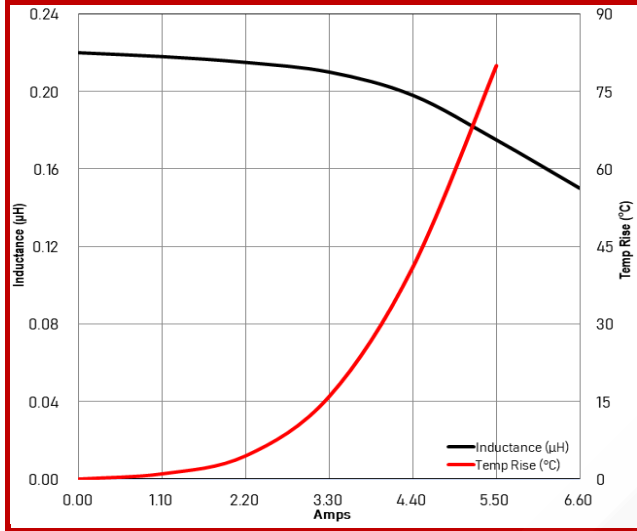
- ☆ 电感测试条件为 1.0MHz / 1.0V
Inductance measure condition at 1.0MHz / 1.0V
- ☆ 工作温度: -40°C ~ +125°C
Operating Temperature: -40°C ~ +125°C
- ☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 30% of initial value



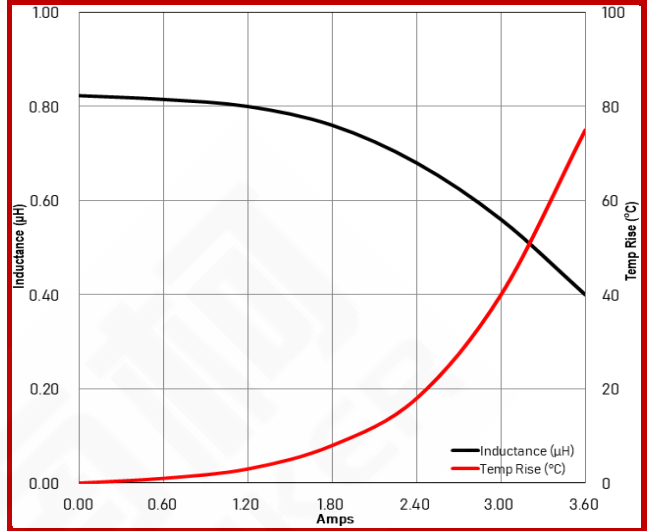
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

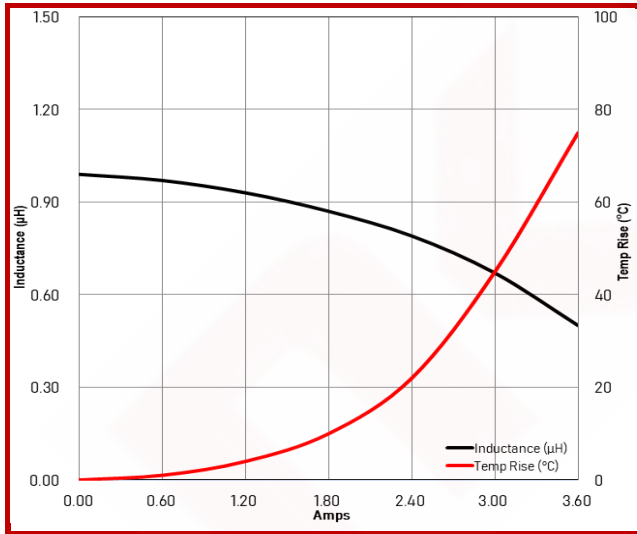
SPI01-303012-R22M



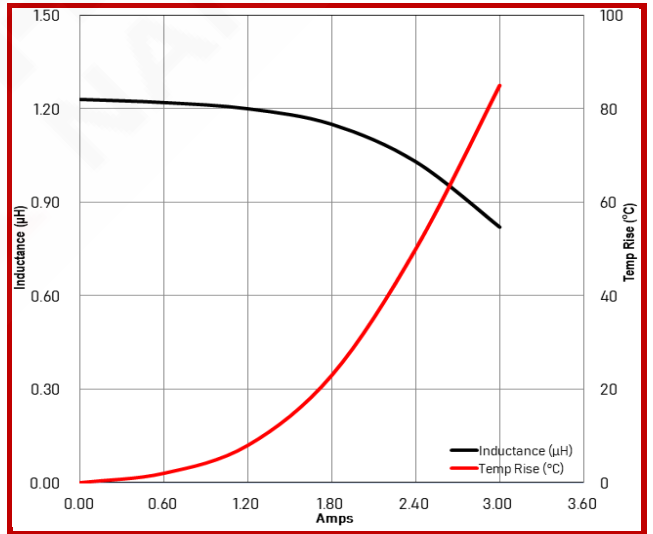
SPI01-303012-R82M



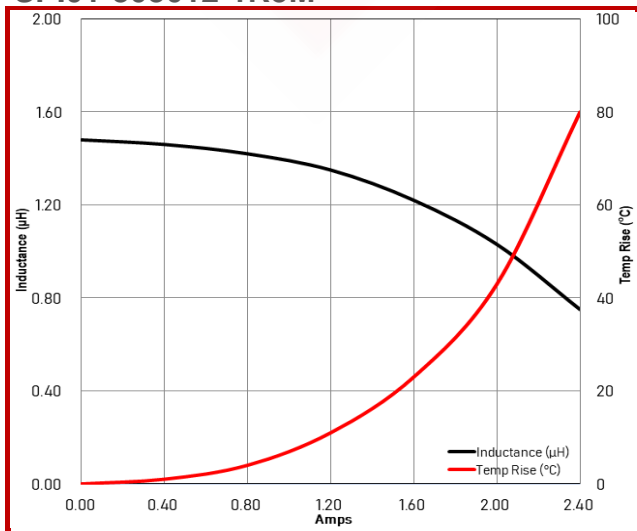
SPI01-303012-1R0M



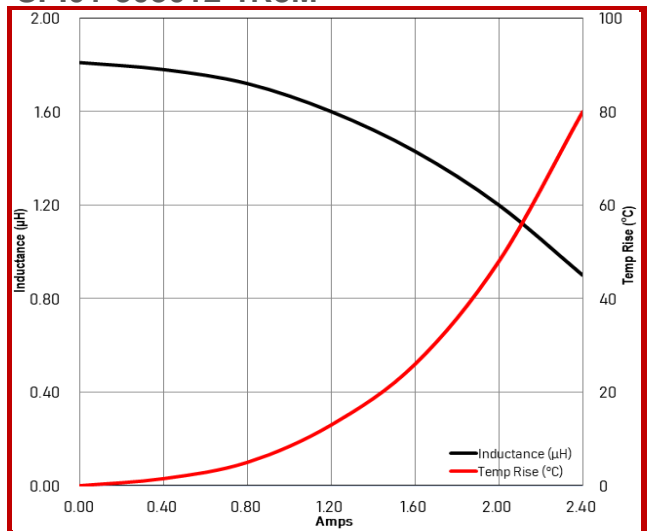
SPI01-303012-1R2M

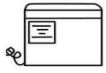


SPI01-303012-1R5M



SPI01-303012-1R8M

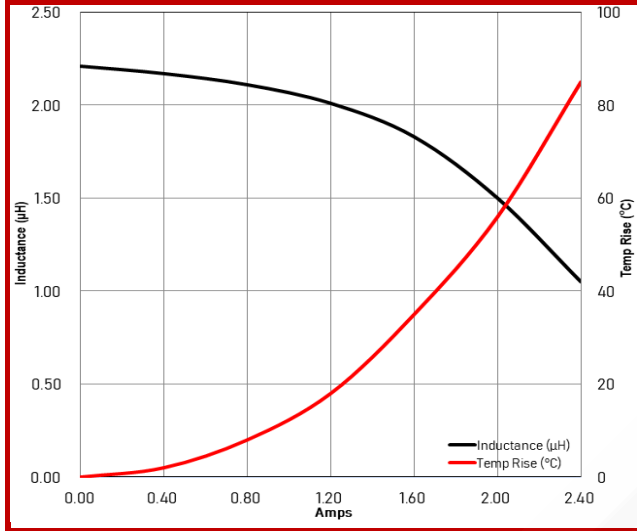




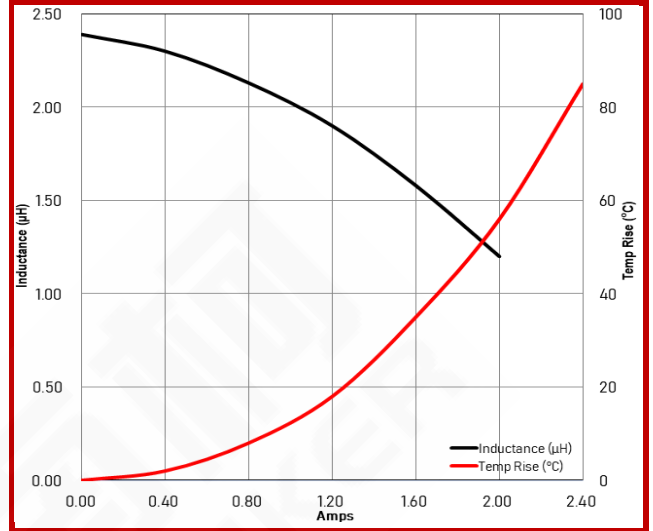
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

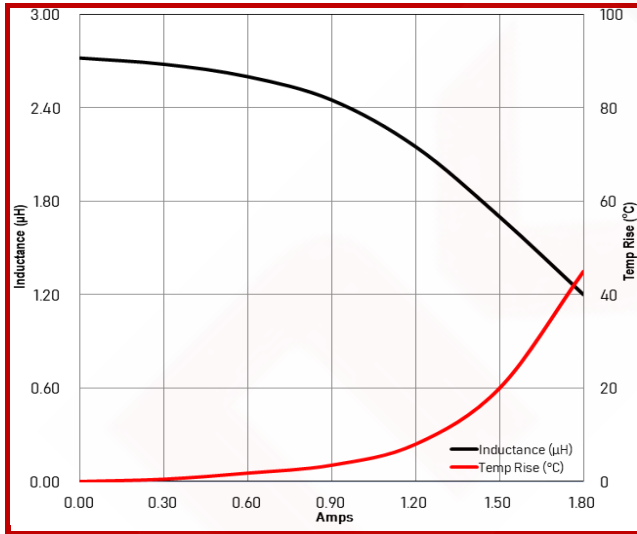
SPI01-303012-2R2M



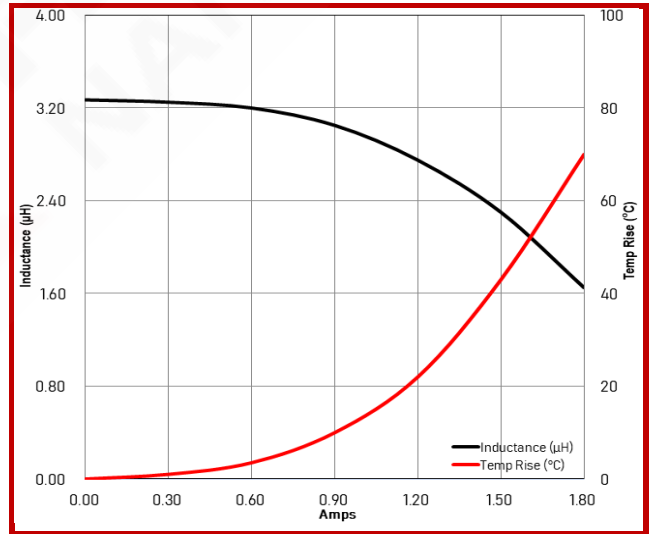
SPI01-303012-2R4M



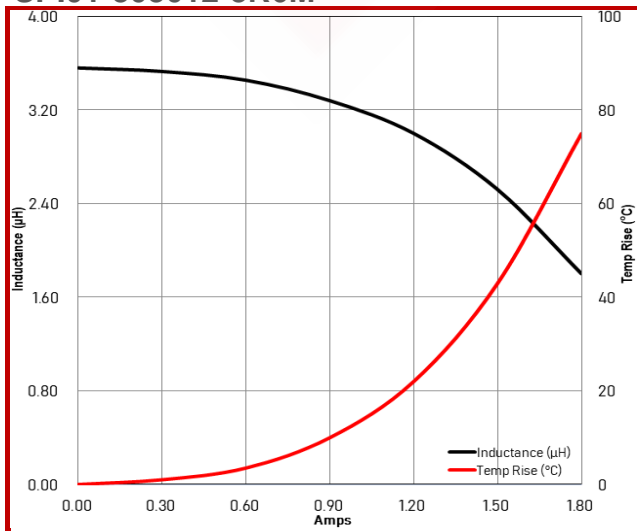
SPI01-303012-2R7M



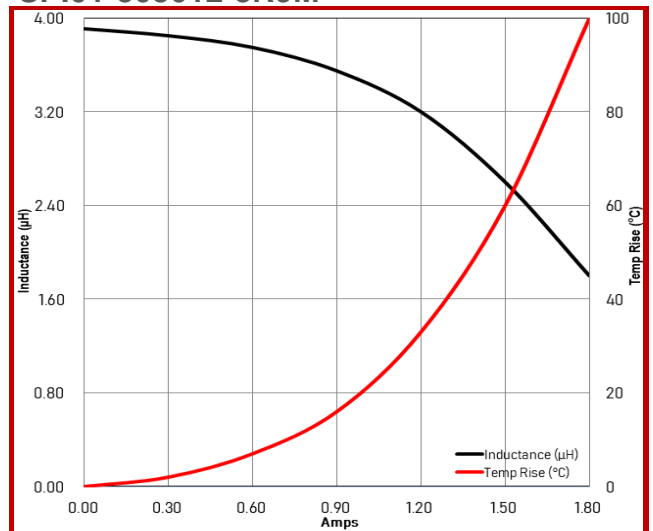
SPI01-303012-3R3M

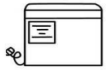


SPI01-303012-3R6M



SPI01-303012-3R9M

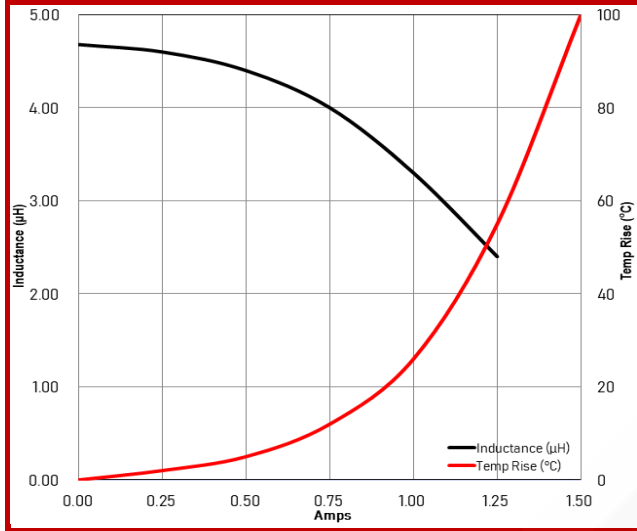




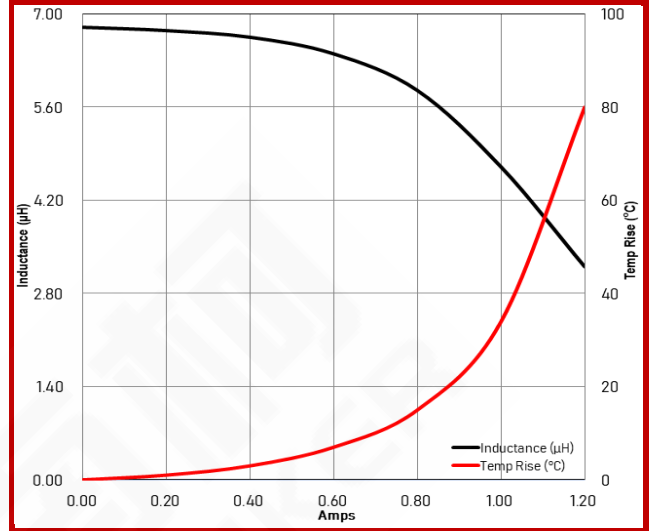
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

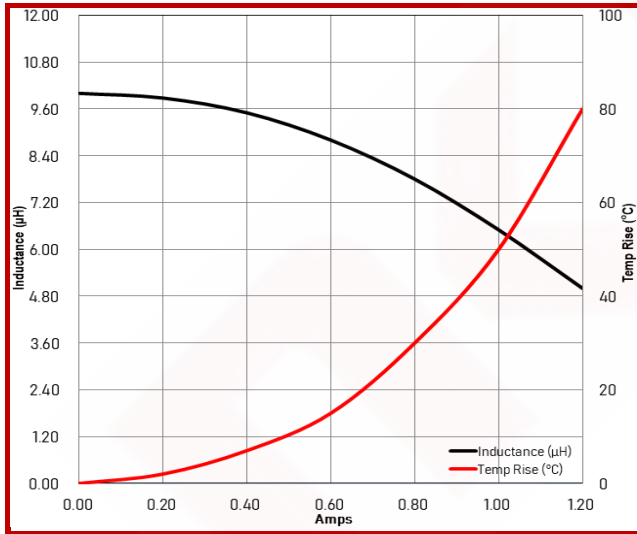
SPI01-303012-4R7M



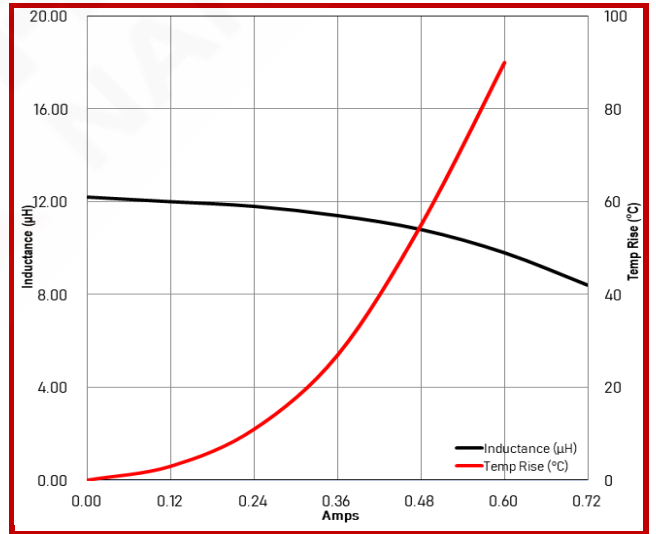
SPI01-303012-6R8M



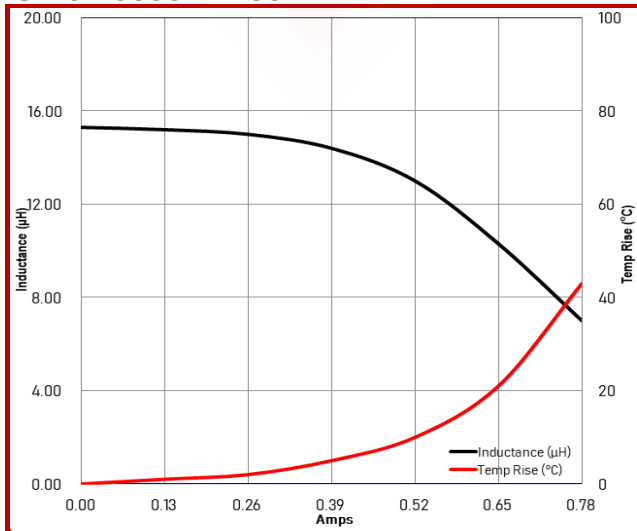
SPI01-303012-100M



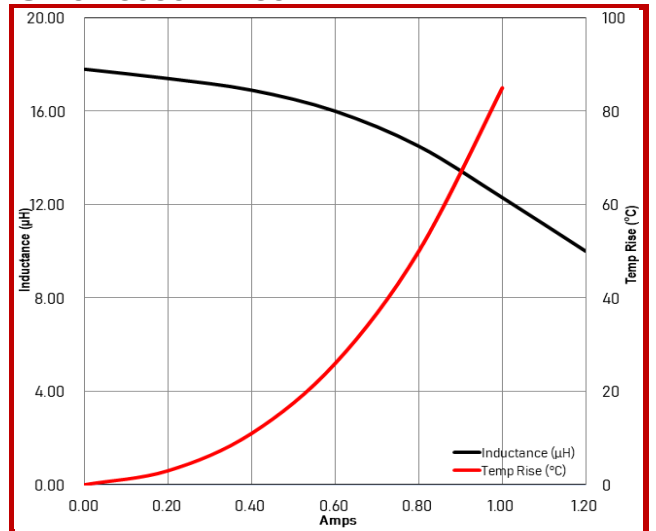
SPI01-303012-120M



SPI01-303012-150M



SPI01-303012-180M

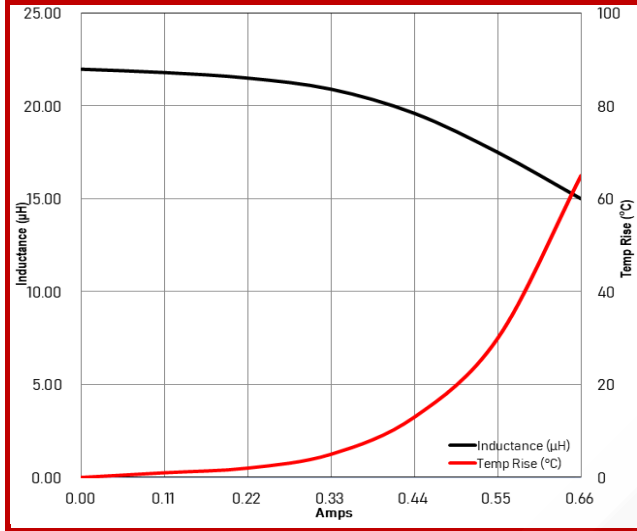




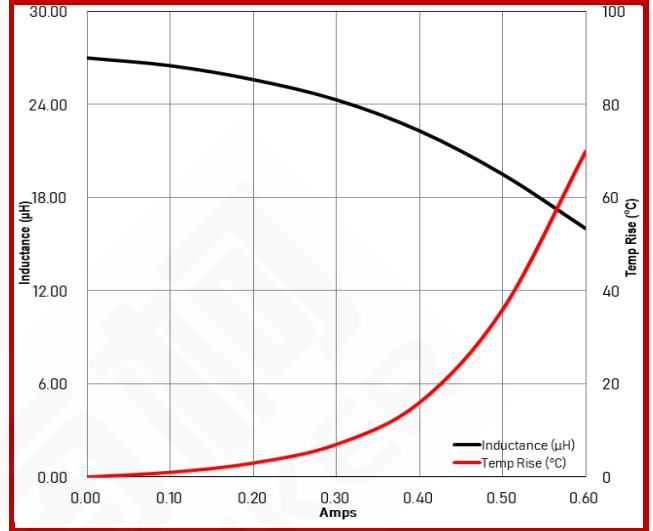
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

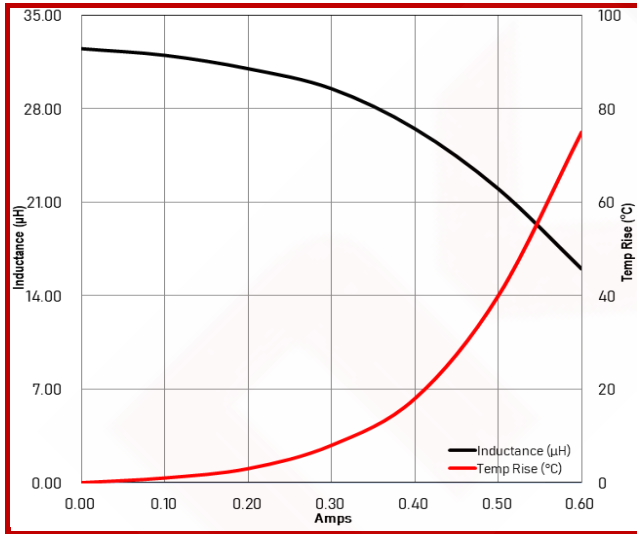
SPI01-303012-220M



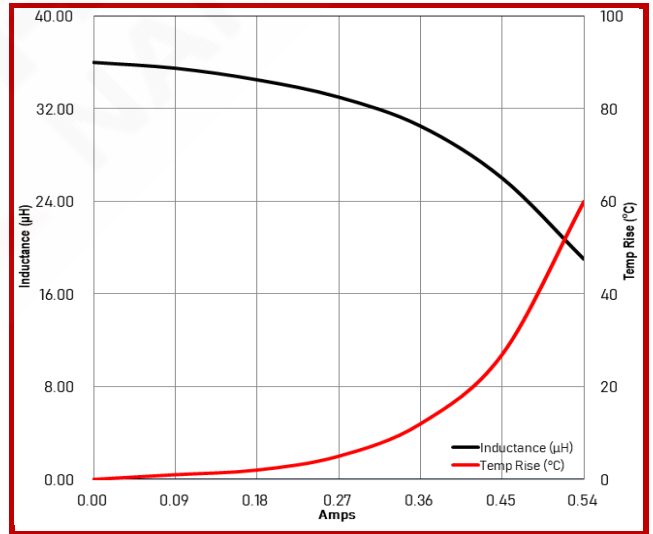
SPI01-303012-270M



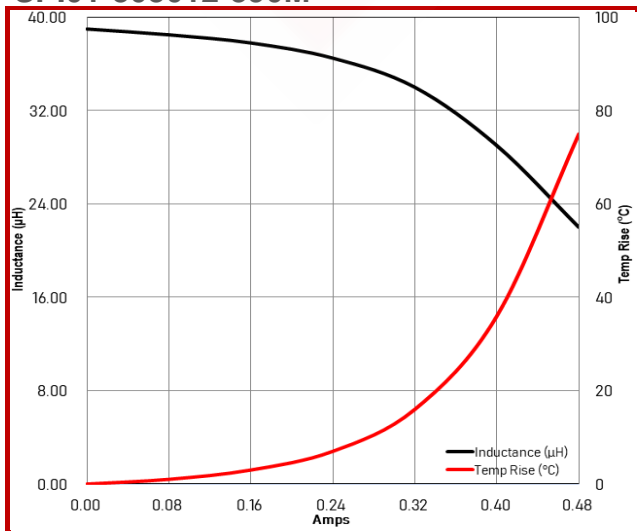
SPI01-303012-330M



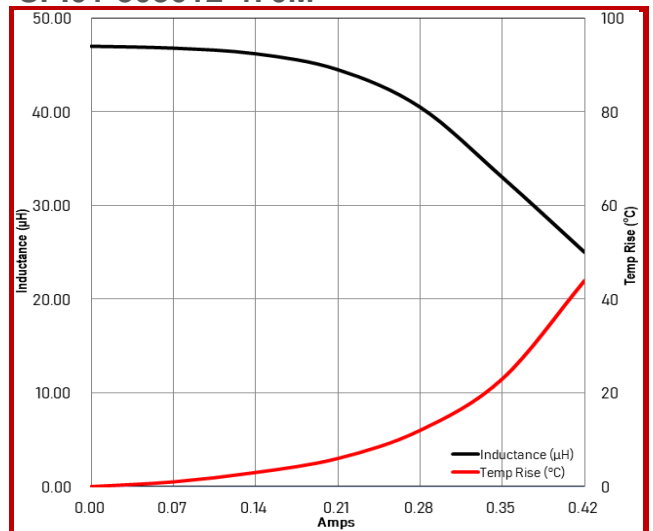
SPI01-303012-360M

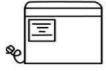


SPI01-303012-390M



SPI01-303012-470M

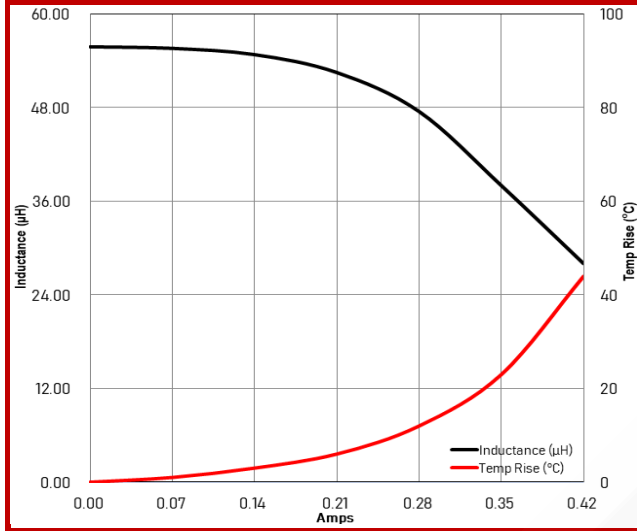




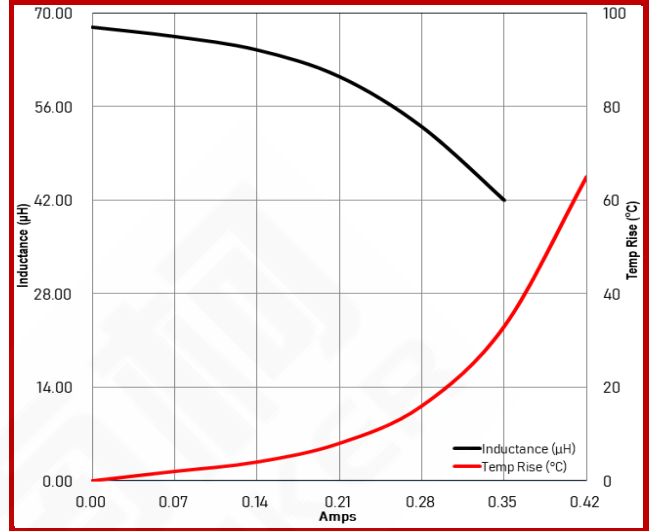
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

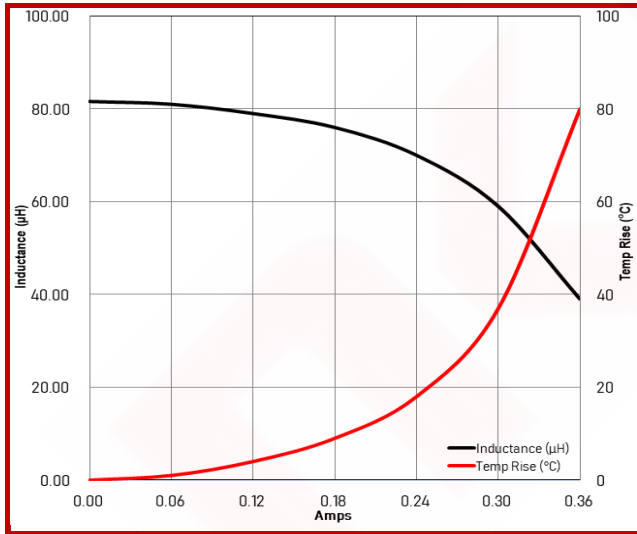
SPI01-303012-560M



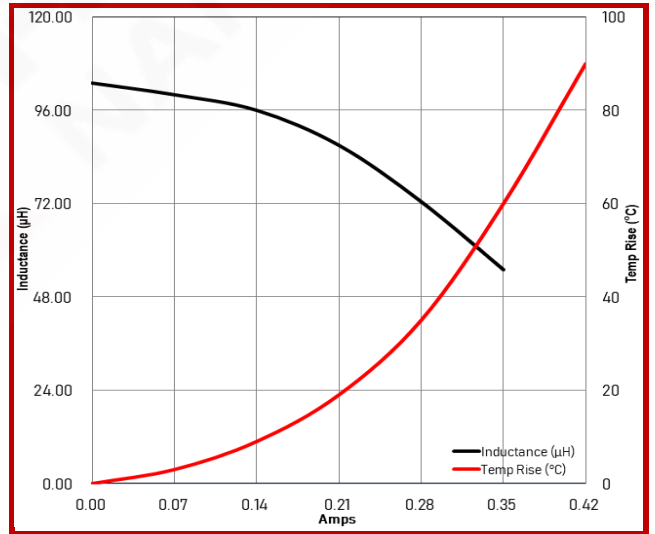
SPI01-303012-680M



SPI01-303012-820M



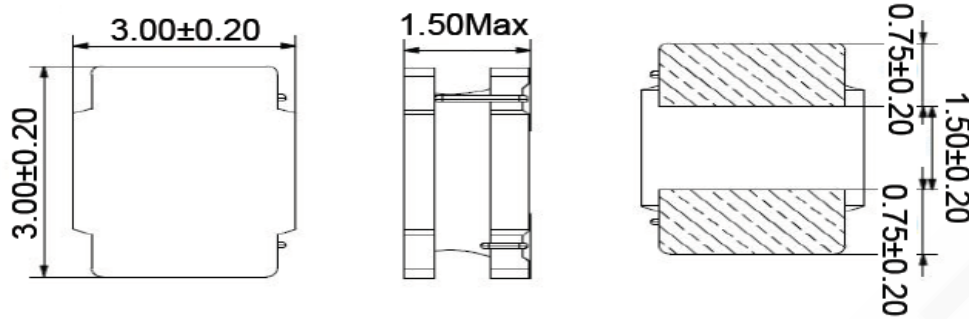
SPI01-303012-101M





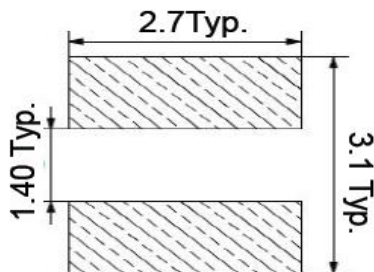
尺寸

Dimension (mm)



焊盘推荐

Land Pattern Recommended (mm)



示意图

Schematics



电性特性

Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r typ 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	卷盘数量 Taping Reel Qty. pcs
SPI01-303015-R50M	0.50 ±20%	2.80	0.039	4.20	2,000
SPI01-303015-1R0M	1.00 ±20%	2.50	0.039	2.80	2,000
SPI01-303015-1R2M	1.20 ±20%	2.30	0.052	3.70	2,000
SPI01-303015-1R5M	1.50 ±20%	2.20	0.065	2.70	2,000
SPI01-303015-1R8M	1.80 ±20%	2.20	0.065	2.20	2,000
SPI01-303015-2R2M	2.20 ±20%	2.00	0.078	2.00	2,000
SPI01-303015-2R7M	2.70 ±20%	1.90	0.098	1.90	2,000
SPI01-303015-3R3M	3.30 ±20%	1.60	0.104	1.81	2,000
SPI01-303015-3R6M	3.60 ±20%	1.50	0.137	1.60	2,000
SPI01-303015-3R9M	3.90 ±20%	1.50	0.137	1.40	2,000

测试状态

Test Condition

☆ 电感测试条件为 1.0MHz / 1.0V

Inductance measure condition at 1.0MHz / 1.0V

☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

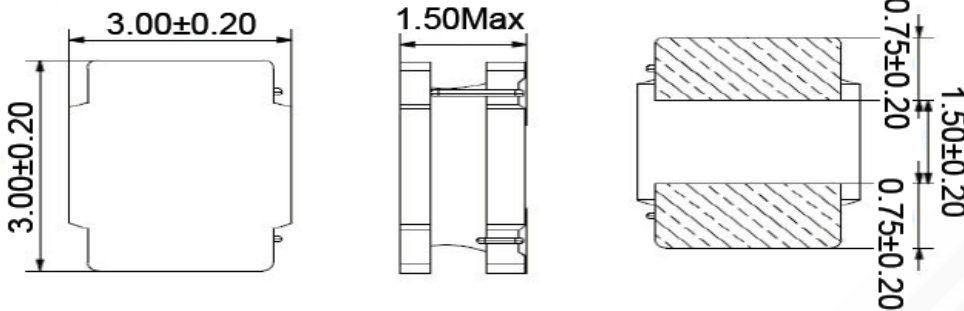
☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值

Saturation Current: The actual value of DC current when the inductance drop 30% of initial value



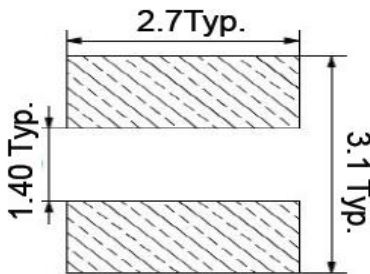
尺寸

Dimension (mm)



焊盘推荐

Land Pattern Recommended (mm)



示意图

Schematics



电性特性

Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r typ 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	卷盘数量 Taping Reel Qty. pcs
SPI01-303015-4R3M	4.30 ±20%	1.30	0.150	1.40	2,000
SPI01-303015-4R7M	4.70 ±20%	1.30	0.163	1.40	2,000
SPI01-303015-5R1M	5.10 ±20%	1.20	0.173	1.20	2,000
SPI01-303015-6R2M	6.20 ±20%	1.00	0.254	1.20	2,000
SPI01-303015-6R8M	6.80 ±20%	1.10	0.260	1.10	2,000
SPI01-303015-100M	10.00 ±20%	0.90	0.325	0.92	2,000
SPI01-303015-120M	12.00 ±20%	0.89	0.416	0.90	2,000
SPI01-303015-150M	15.00 ±20%	0.72	0.455	0.88	2,000
SPI01-303015-180M	18.00 ±20%	0.72	0.559	0.72	2,000
SPI01-303015-220M	22.00 ±20%	0.69	0.598	0.68	2,000

测试状态

Test Condition

☆ 电感测试条件为 1.0MHz / 1.0V

Inductance measure condition at 1.0MHz / 1.0V

☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

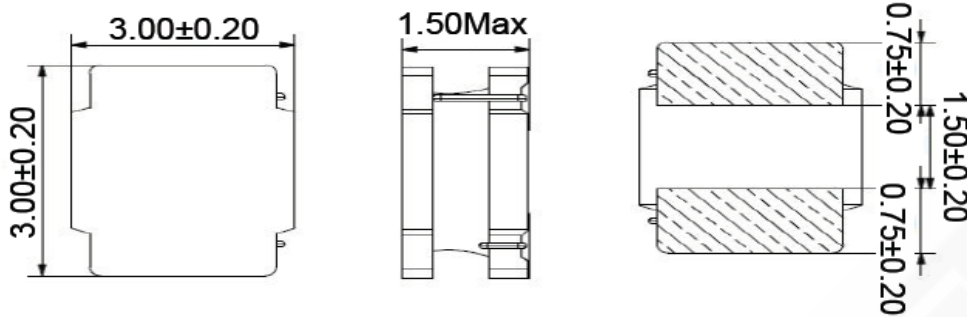
☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值

Saturation Current: The actual value of DC current when the inductance drop 30% of initial value



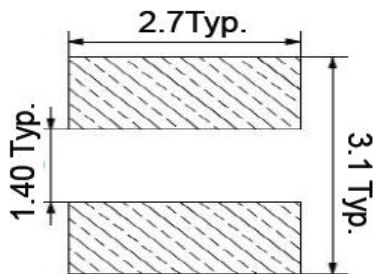
尺寸

Dimension (mm)



焊盘推荐

Land Pattern Recommended (mm)



示意图

Schematics



电性特性

Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r typ 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	卷盘数量 Taping Reel Qty. pcs
SPI01-303015-270M	27.00 ±20%	0.56	0.949	0.56	2,000
SPI01-303015-330M	33.00 ±20%	0.51	1.066	0.53	2,000
SPI01-303015-390M	39.00 ±20%	0.44	1.294	0.55	2,000
SPI01-303015-430M	43.00 ±20%	0.48	1.378	0.43	2,000
SPI01-303015-470M	47.00 ±20%	0.44	1.625	0.43	2,000
SPI01-303015-560M	56.00 ±20%	0.41	1.664	0.42	2,000
SPI01-303015-620M	62.00 ±20%	0.41	2.093	0.40	2,000
SPI01-303015-680M	68.00 ±20%	0.31	3.510	0.37	2,000
SPI01-303015-101M	100.00 ±20%	0.25	4.043	0.25	2,000
SPI01-303015-151M	150.00 ±20%	0.23	4.940	0.22	2,000

测试状态

Test Condition

☆ 电感测试条件为 1.0MHz / 1.0V

Inductance measure condition at 1.0MHz / 1.0V

☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值

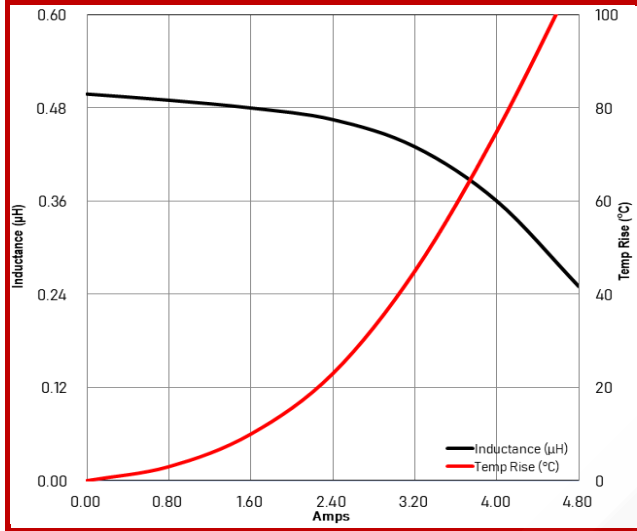
Saturation Current: The actual value of DC current when the inductance drop 30% of initial value



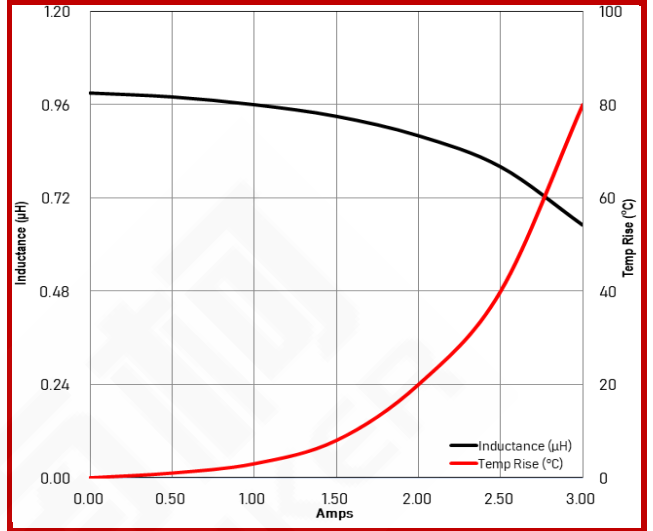
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

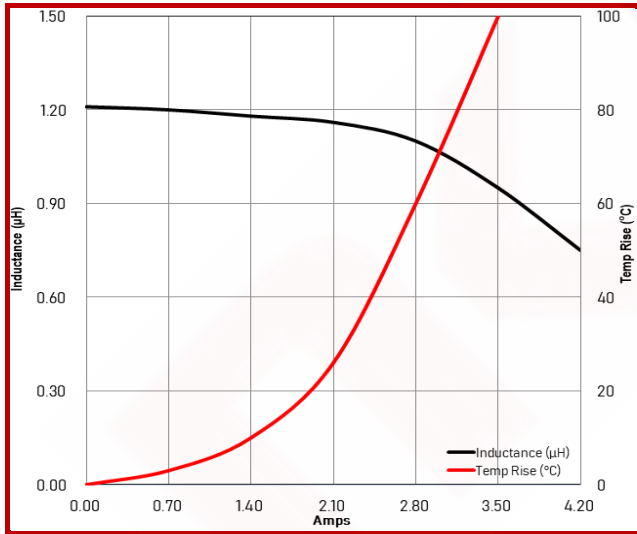
SPI01-303015-R50M



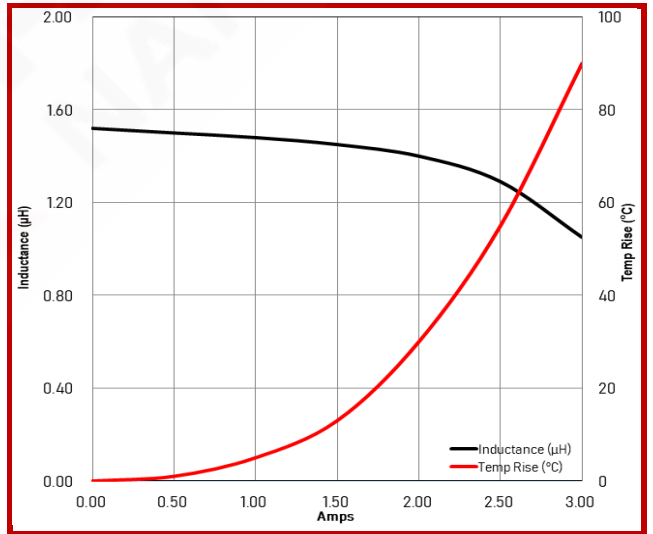
SPI01-303015-1R0M



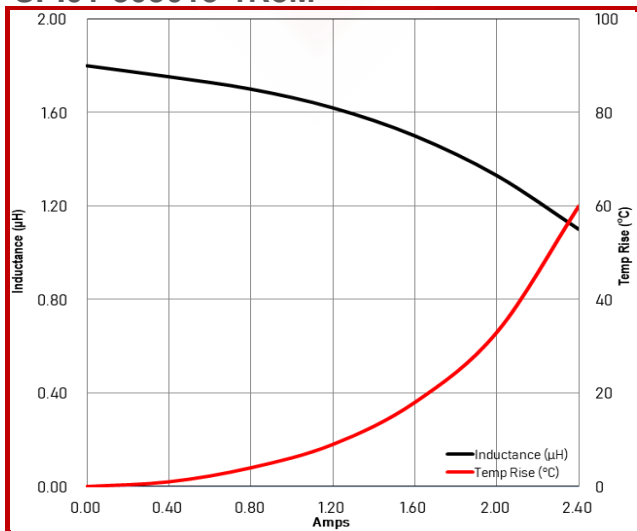
SPI01-303015-1R2M



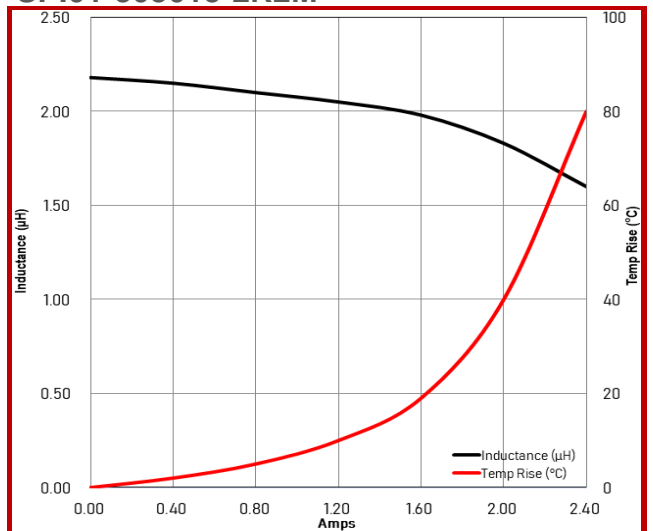
SPI01-303015-1R5M



SPI01-303015-1R8M



SPI01-303015-2R2M

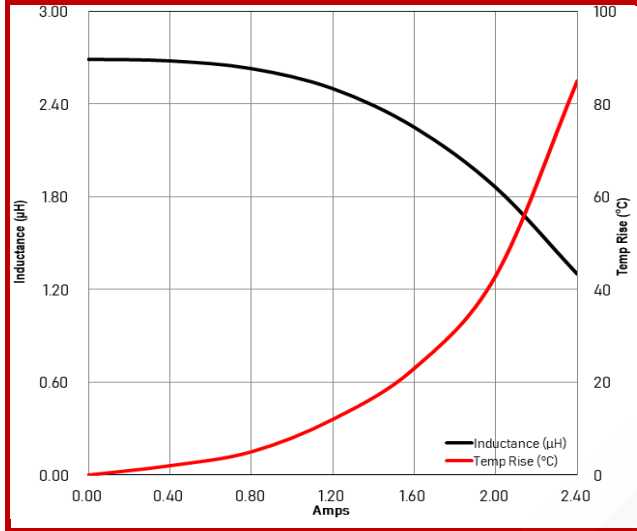




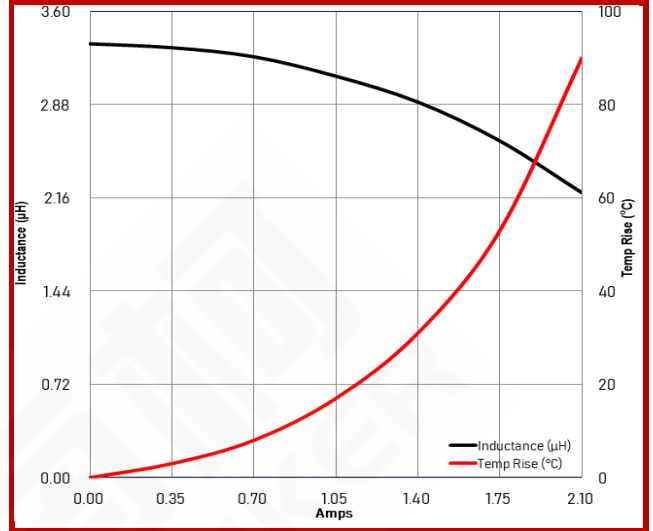
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

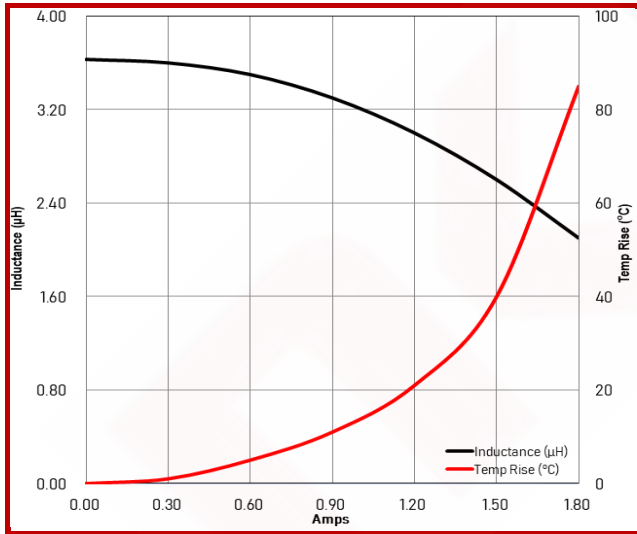
SPI01-303015-2R7M



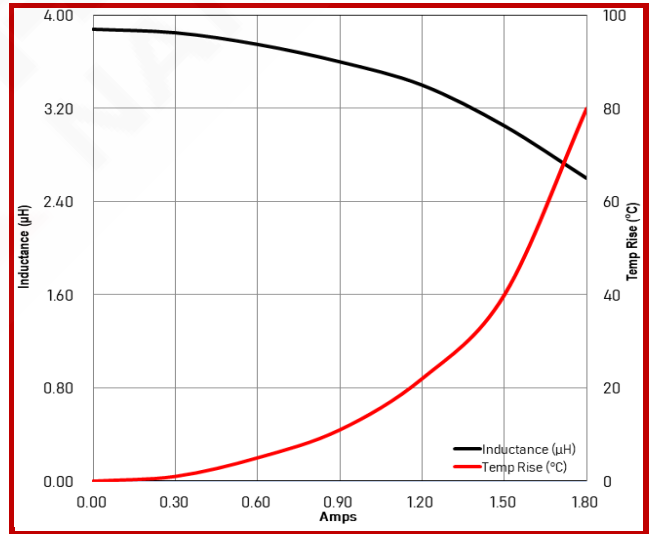
SPI01-303015-3R3M



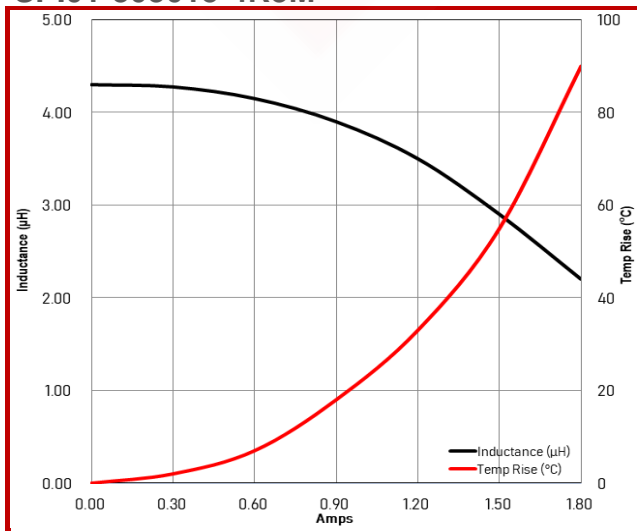
SPI01-303015-3R6M



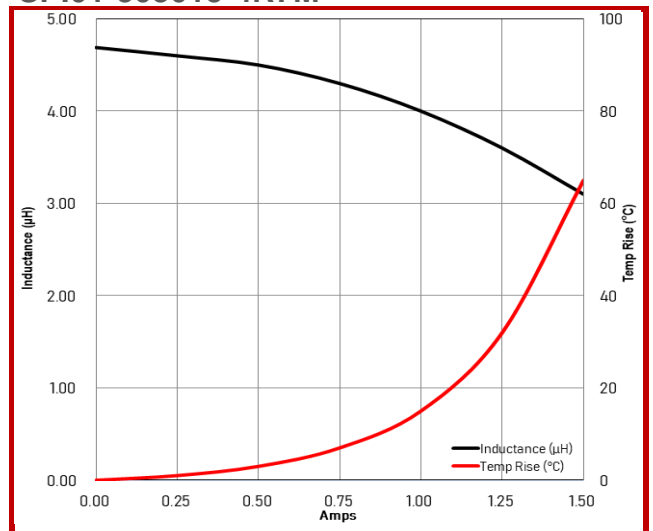
SPI01-303015-3R9M



SPI01-303015-4R3M



SPI01-303015-4R7M

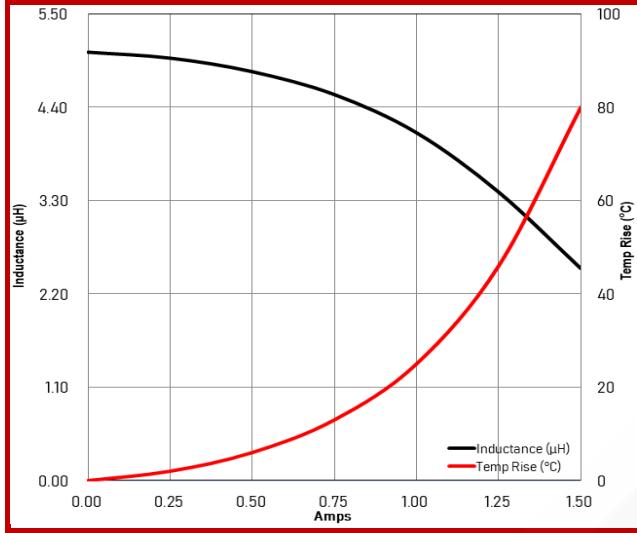




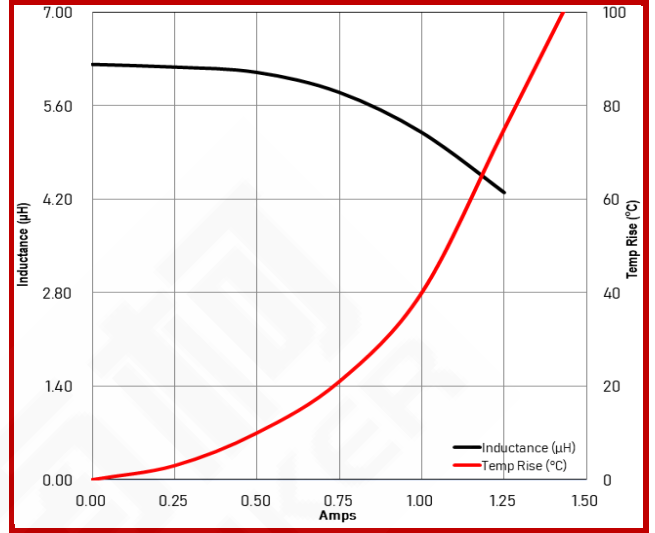
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

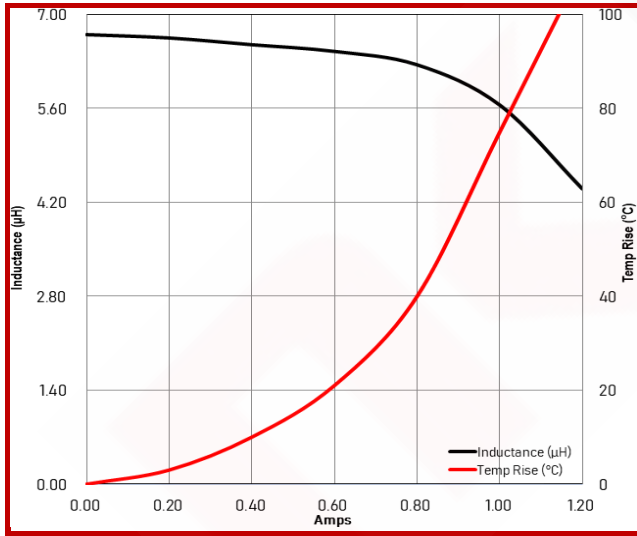
SPI01-303015-5R1M



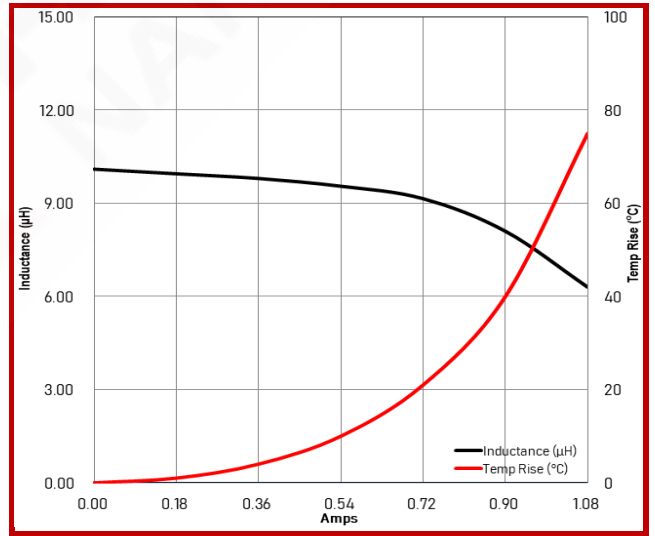
SPI01-303015-6R2M



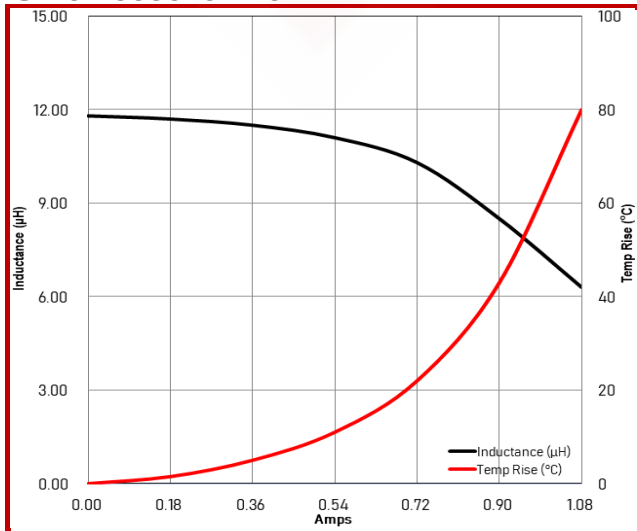
SPI01-303015-6R8M



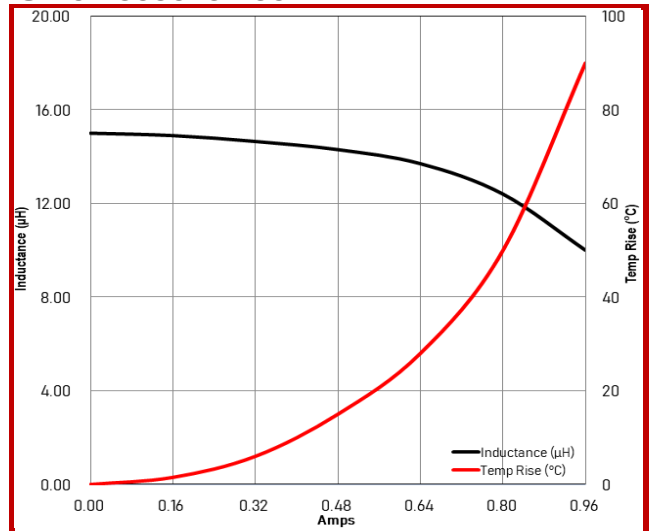
SPI01-303015-100M



SPI01-303015-120M



SPI01-303015-150M

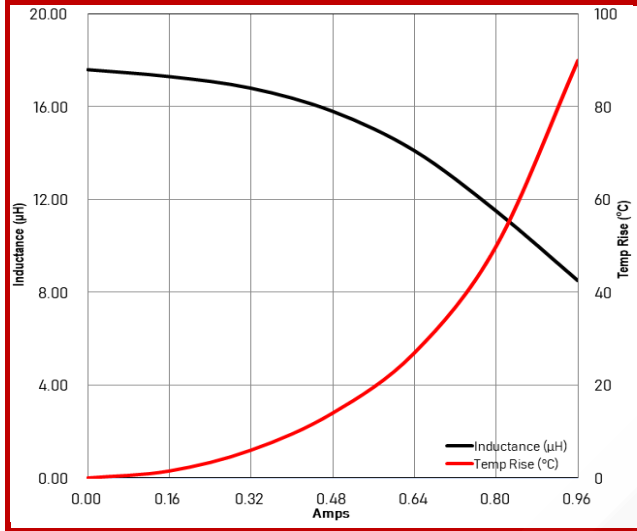




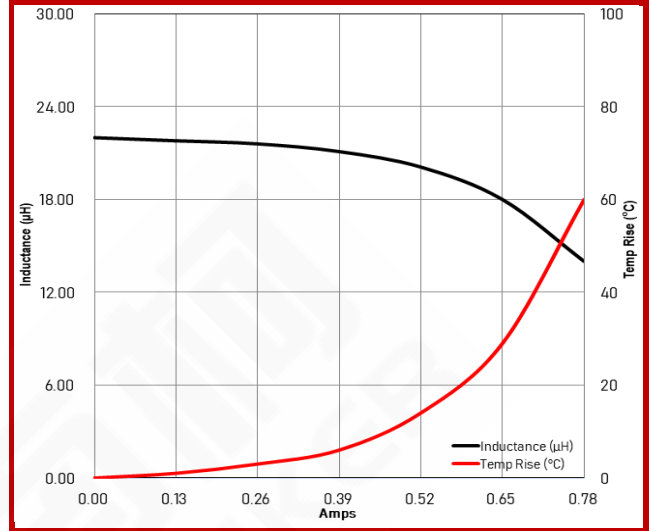
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

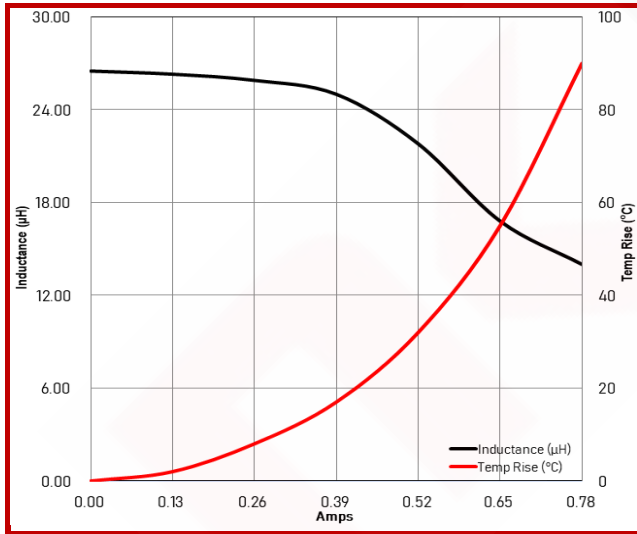
SPI01-303015-180M



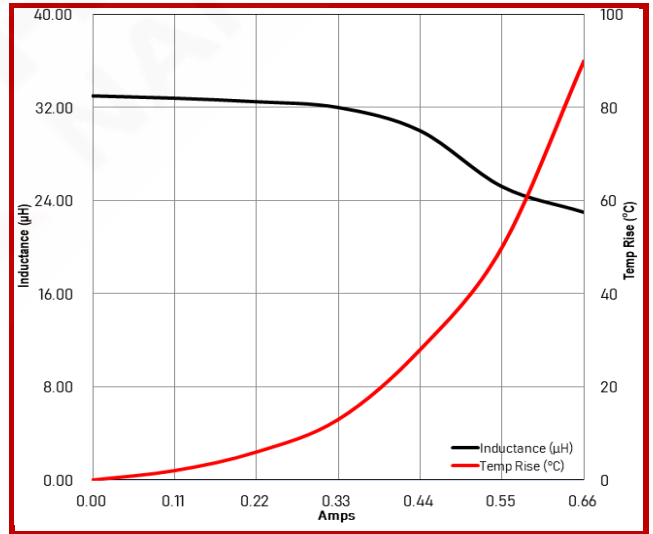
SPI01-303015-220M



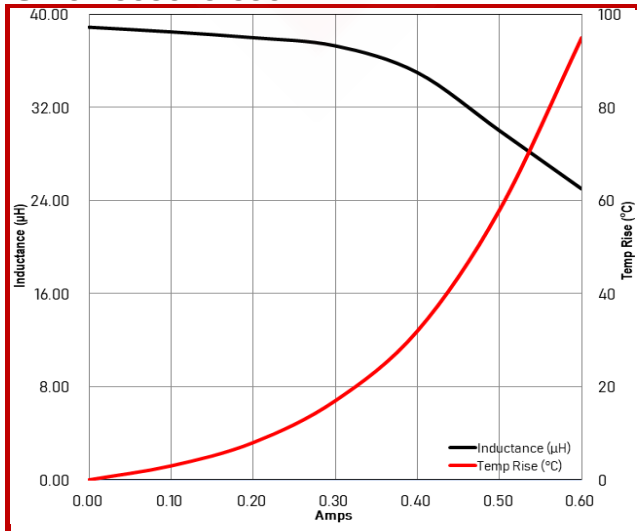
SPI01-303015-270M



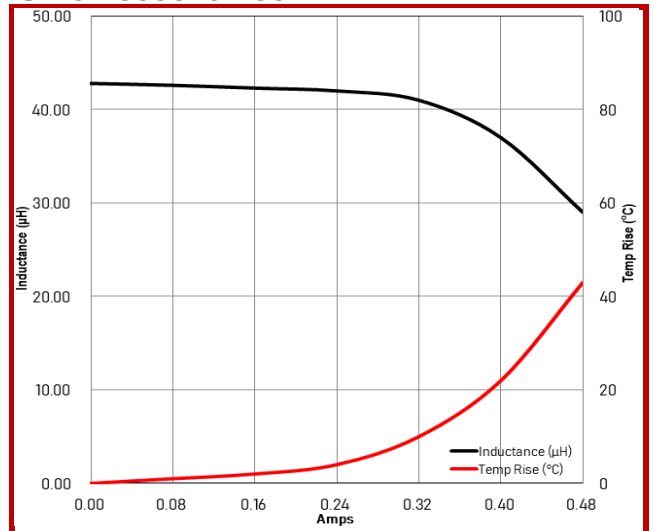
SPI01-303015-330M



SPI01-303015-390M



SPI01-303015-430M

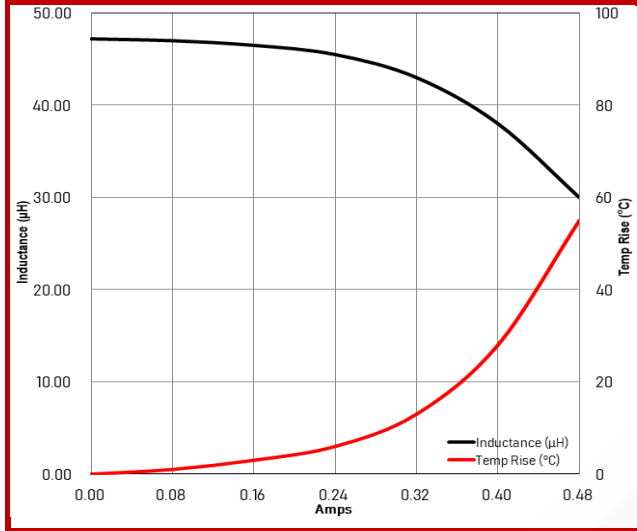




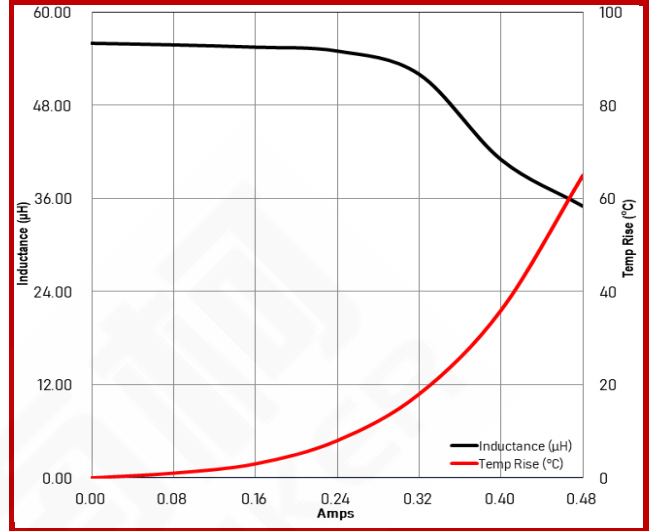
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

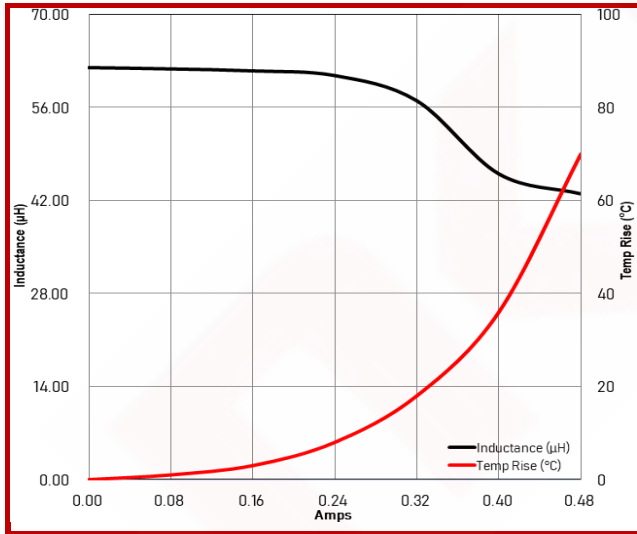
SPI01-303015-470M



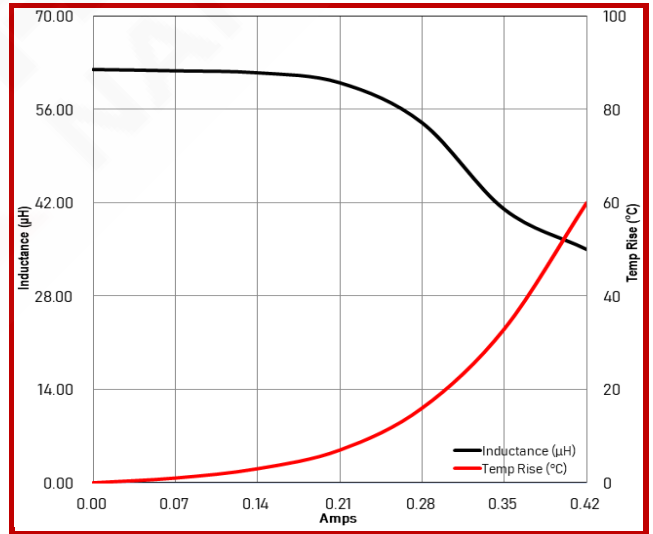
SPI01-303015-560M



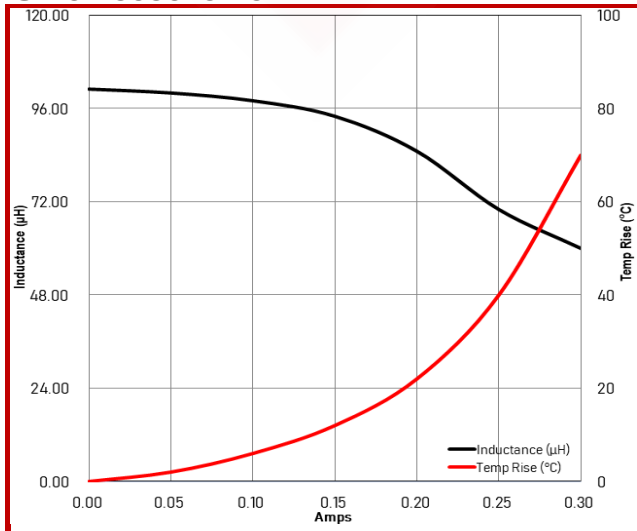
SPI01-303015-620M



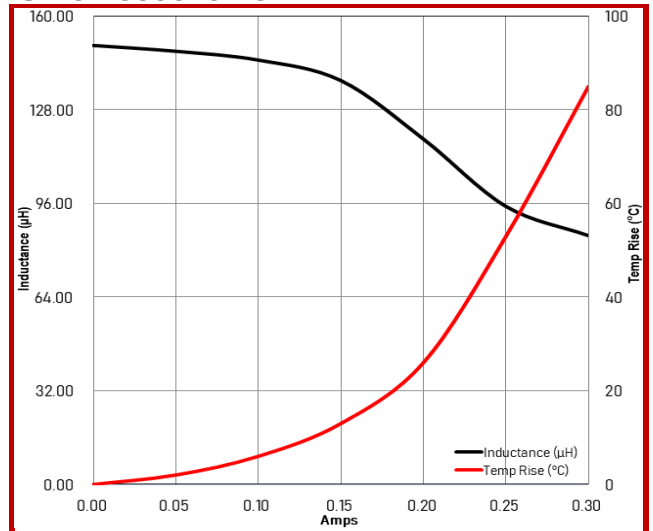
SPI01-303015-680M



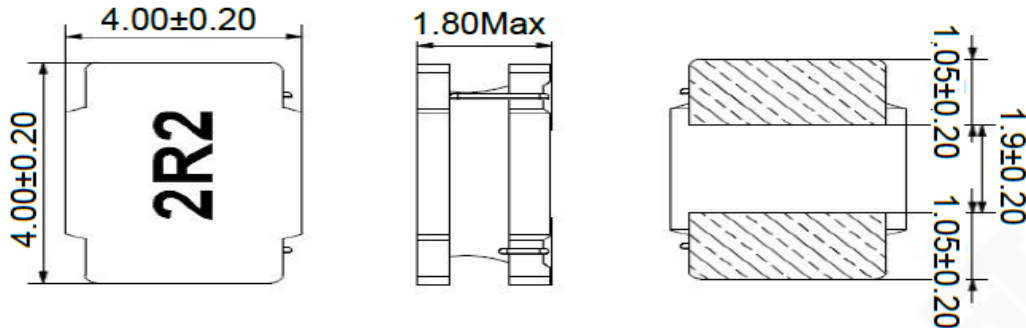
SPI01-303015-101M



SPI01-303015-151M



尺寸 Dimension (mm)



焊盘推荐 Land Pattern Recommended (mm)

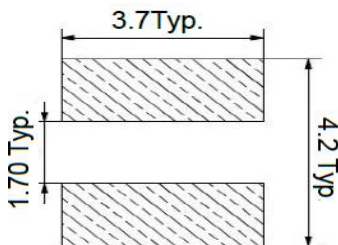


示意图 Schematics



电性特性 Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r typ 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	卷盘数量 Taping Reel Qty. pcs
SPI01-404018-1R0M	1.00 ±20%	3.50	0.028	4.50	2,000
SPI01-404018-1R5M	1.50 ±20%	3.20	0.039	4.00	2,000
SPI01-404018-1R8M	1.80 ±20%	2.80	0.044	3.40	2,000
SPI01-404018-2R2M	2.20 ±20%	2.60	0.059	3.20	2,000
SPI01-404018-3R3M	3.30 ±20%	2.10	0.091	2.90	2,000
SPI01-404018-4R7M	4.70 ±20%	1.80	0.117	2.20	2,000
SPI01-404018-6R8M	6.80 ±20%	1.50	0.143	2.00	2,000
SPI01-404018-100M	10.00 ±20%	1.20	0.234	1.60	2,000
SPI01-404018-150M	15.00 ±20%	1.00	0.325	1.10	2,000
SPI01-404018-220M	22.00 ±20%	0.85	0.468	0.88	2,000

测试状态

Test Condition

☆ 电感测试条件为 1.0MHz / 1.0V

Inductance measure condition at 1.0MHz / 1.0V

☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

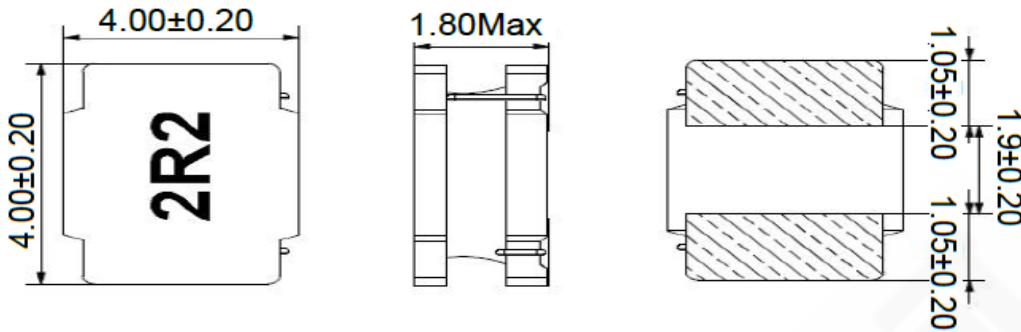
☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值

Saturation Current: The actual value of DC current when the inductance drop 30% of initial value



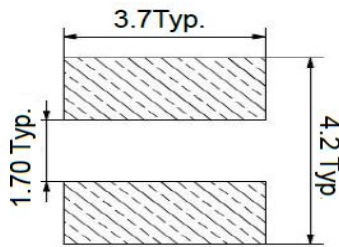
尺寸

Dimension (mm)



焊盘推荐

Land Pattern Recommended (mm)



示意图

Schematics



电性特性

Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _R typ 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	卷盘数量 Taping Reel Qty. pcs
SPI01-404018-330M	33.00 ±20%	0.72	0.689	0.75	3,000
SPI01-404018-470M	47.00 ±20%	0.65	0.845	0.70	3,000
SPI01-404018-680M	68.00 ±20%	0.52	1.300	0.51	3,000
SPI01-404018-101M	100.00 ±20%	0.41	2.275	0.44	3,000
SPI01-404018-151M	150.00 ±20%	0.36	3.250	0.34	3,000
SPI01-404018-221M	220.00 ±20%	0.27	5.200	0.30	3,000

测试状态

Test Condition

☆ 电感测试条件为 1.0MHz / 1.0V

Inductance measure condition at 1.0MHz / 1.0V

☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值

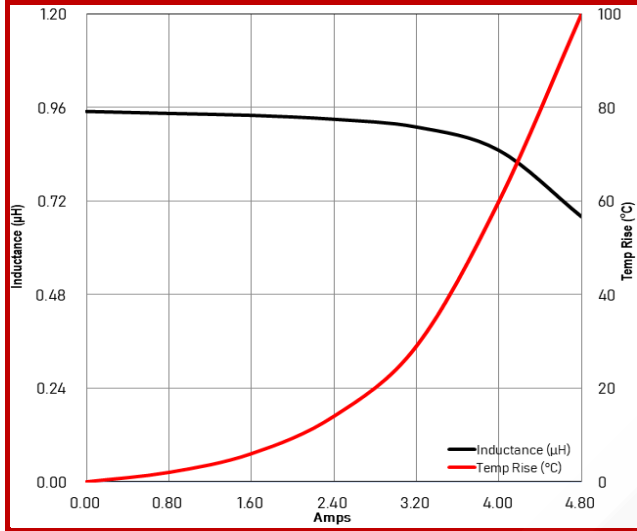
Saturation Current: The actual value of DC current when the inductance drop 30% of initial value



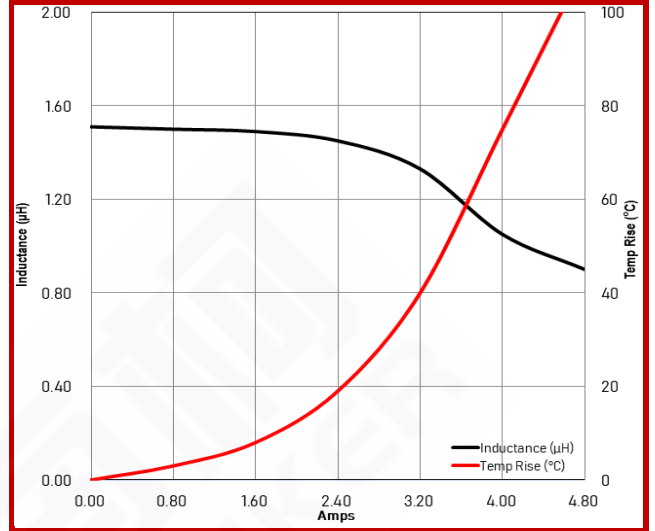
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

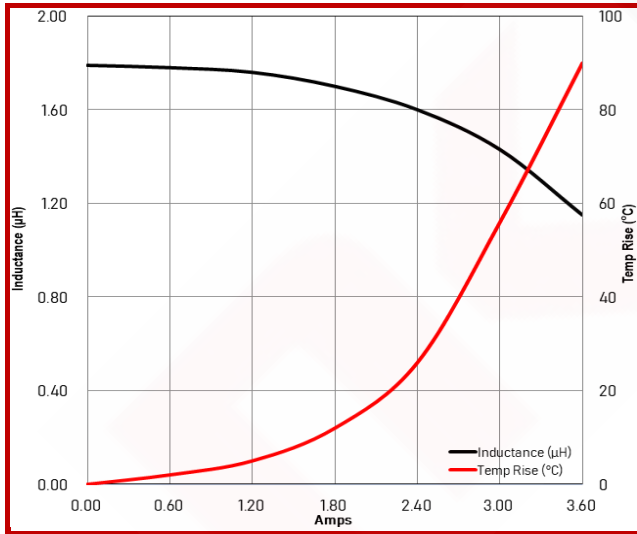
SPI01-404018-1R0M



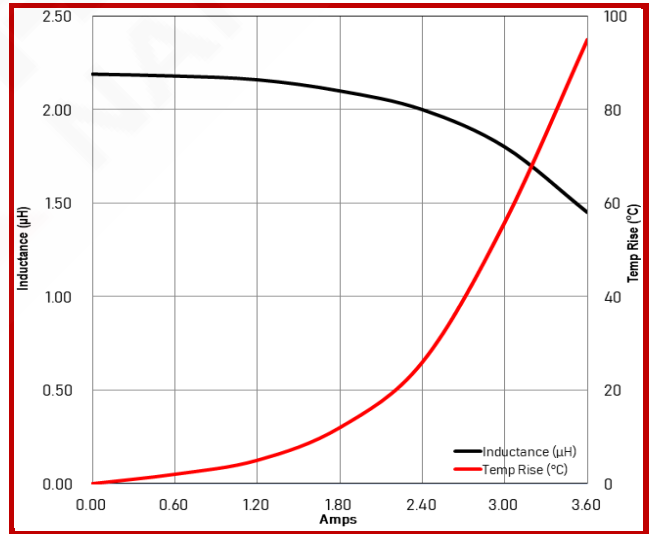
SPI01-404018-1R5M



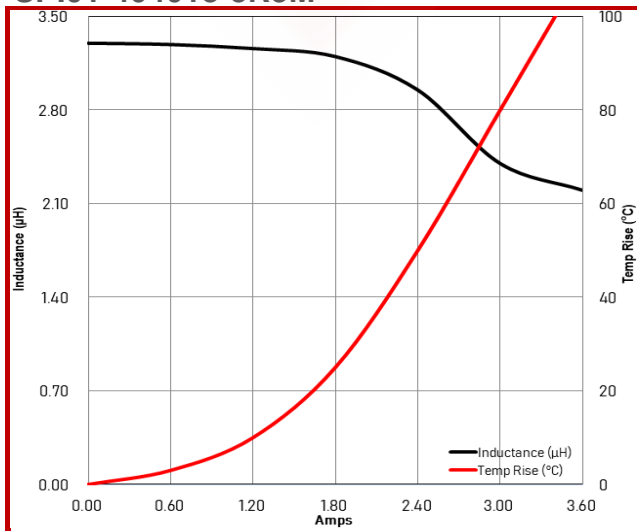
SPI01-404018-1R8M



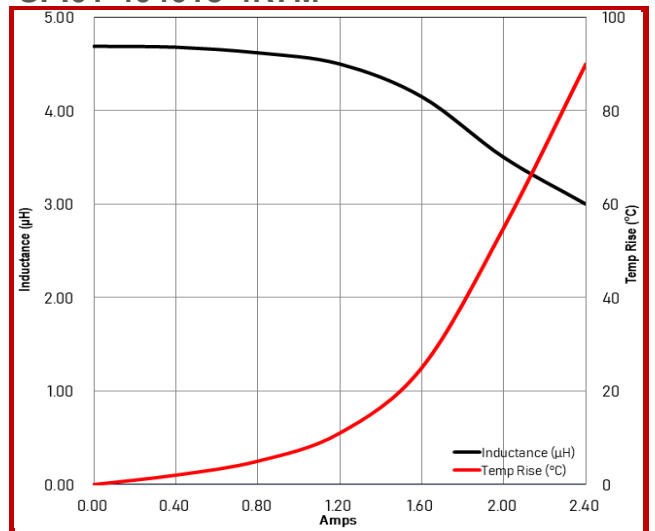
SPI01-404018-2R2M



SPI01-404018-3R3M



SPI01-404018-4R7M

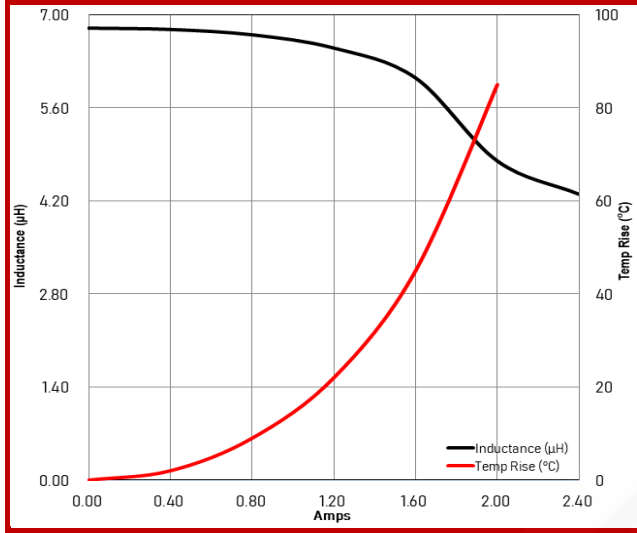




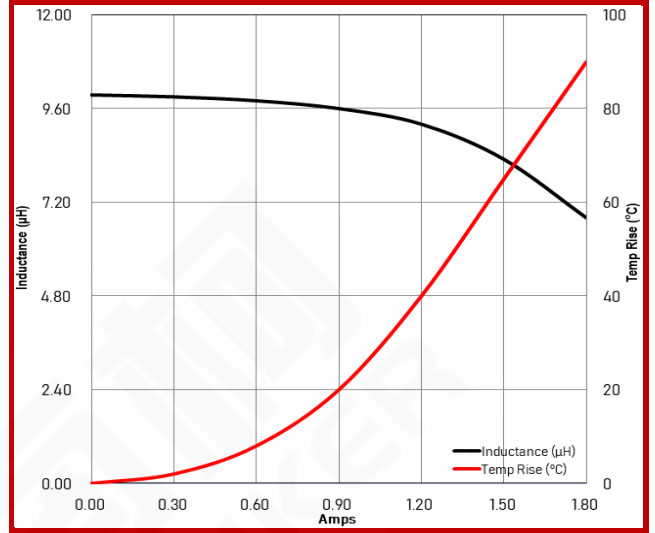
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

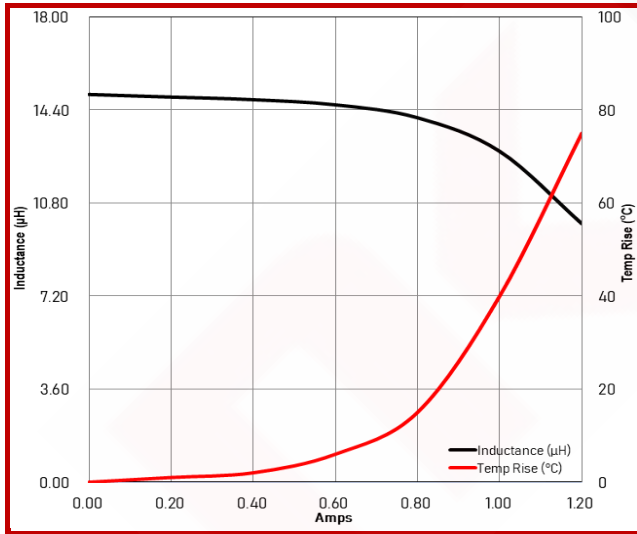
SPI01-404018-6R8M



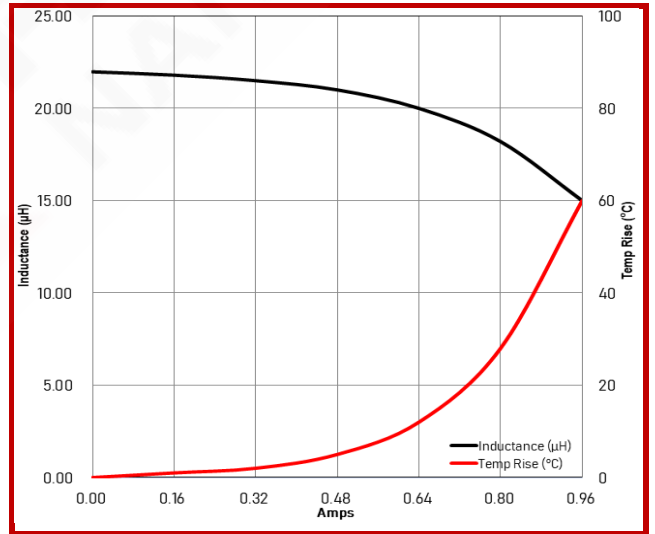
SPI01-404018-100M



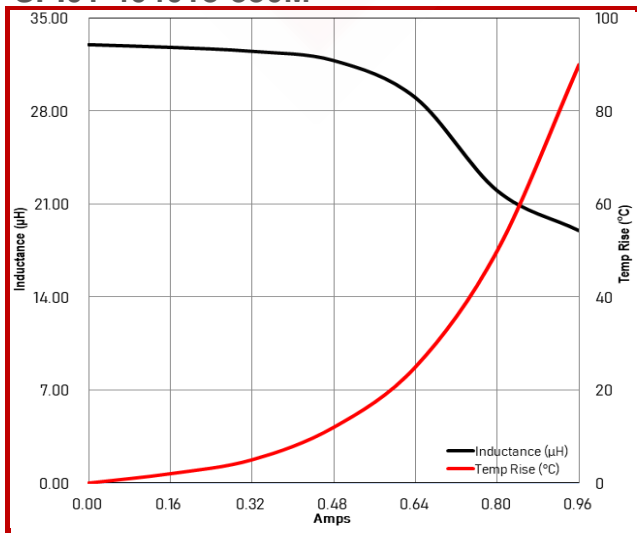
SPI01-404018-150M



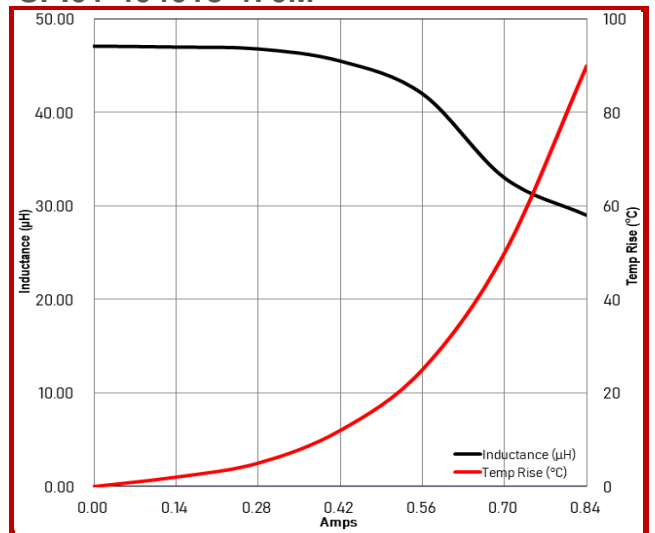
SPI01-404018-220M



SPI01-404018-330M



SPI01-404018-470M

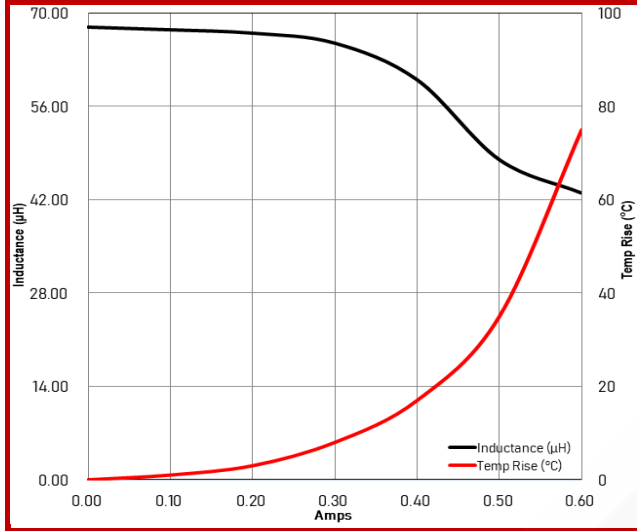




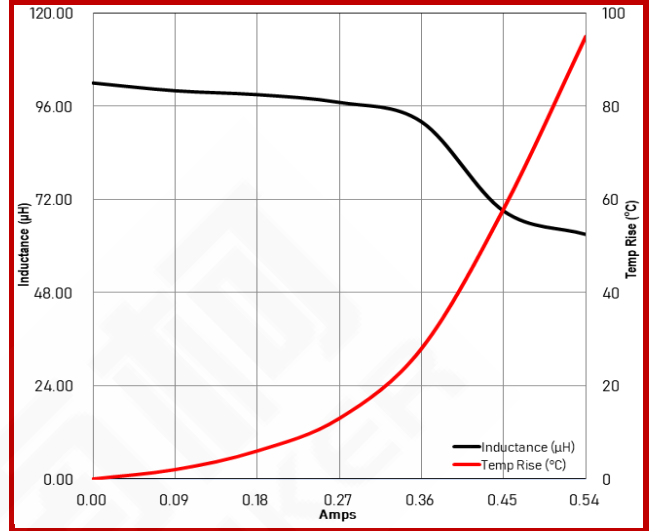
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

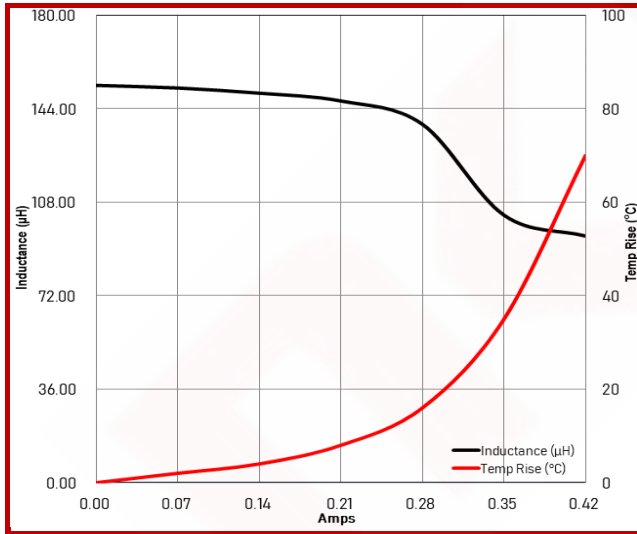
SPI01-404018-680M



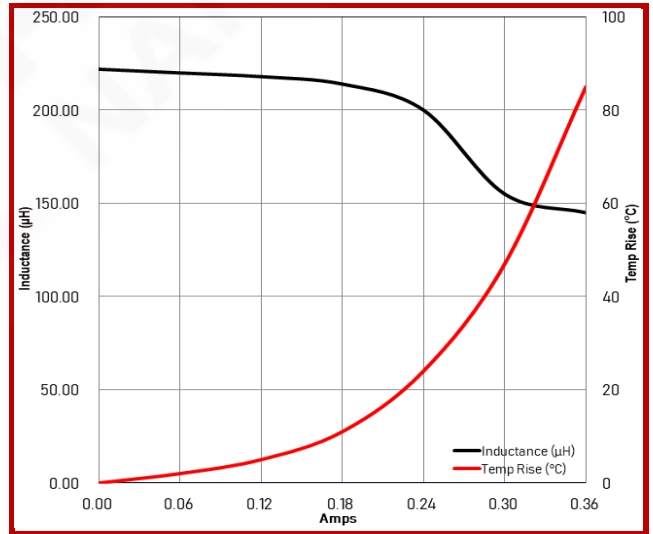
SPI01-404018-101M



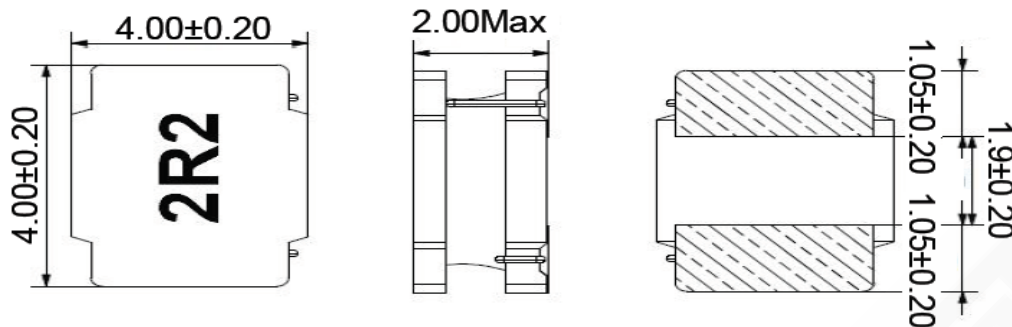
SPI01-404018-151M



SPI01-404018-221M



尺寸 Dimension (mm)



焊盘推荐 Land Pattern Recommended (mm)

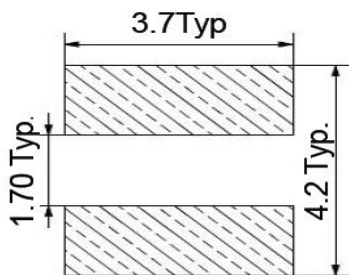


示意图 Schematics



电性特性 Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r typ 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	卷盘数量 Taping Reel Qty. pcs
SPI01-404020-R24M	0.24 ±20%	5.20	0.014	12.50	3,000
SPI01-404020-R33M	0.33 ±20%	4.90	0.016	8.50	3,000
SPI01-404020-R47M	0.47 ±20%	3.70	0.029	7.50	3,000
SPI01-404020-R68M	0.68 ±20%	3.30	0.036	6.60	3,000
SPI01-404020-1R0M	1.00 ±20%	3.20	0.038	5.20	3,000
SPI01-404020-1R2M	1.20 ±20%	3.20	0.046	5.60	3,000
SPI01-404020-1R5M	1.50 ±20%	3.00	0.052	4.90	3,000
SPI01-404020-2R2M	2.20 ±20%	2.80	0.091	3.70	3,000
SPI01-404020-3R3M	3.30 ±20%	2.50	0.072	3.50	3,000
SPI01-404020-3R6M	3.60 ±20%	2.50	0.098	3.00	3,000
SPI01-404020-4R7M	4.70 ±20%	2.00	0.111	2.50	3,000

测试状态

Test Condition

☆ 电感测试条件为 1.0MHz / 1.0V

Inductance measure condition at 1.0MHz / 1.0V

☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

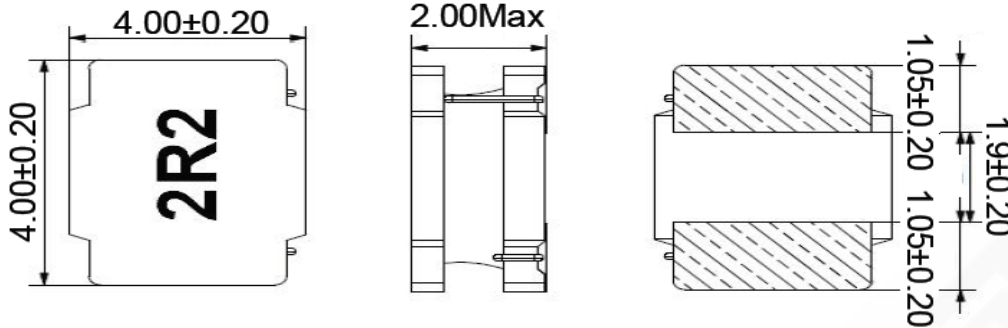
☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值

Saturation Current: The actual value of DC current when the inductance drop 30% of initial value



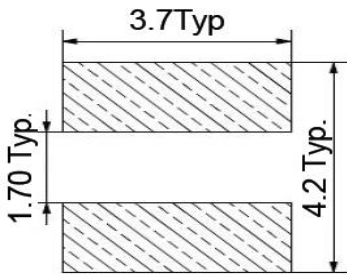
尺寸

Dimension (mm)



焊盘推荐

Land Pattern Recommended (mm)



示意图

Schematics



电性特性

Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r typ 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	卷盘数量 Taping Reel Qty. pcs
SPI01-404020-5R1M	5.10 ±20%	1.80	0.111	2.50	3,000
SPI01-404020-5R6M	5.60 ±20%	1.80	0.117	2.40	3,000
SPI01-404020-6R2M	6.20 ±20%	1.60	0.150	2.30	3,000
SPI01-404020-6R8M	6.80 ±20%	1.60	0.163	2.40	3,000
SPI01-404020-7R5M	7.50 ±20%	1.50	0.150	2.00	3,000
SPI01-404020-8R2M	8.20 ±20%	1.40	0.163	1.90	3,000
SPI01-404020-100M	10.00 ±20%	1.20	0.215	1.70	3,000
SPI01-404020-120M	12.00 ±20%	1.20	0.228	1.60	3,000
SPI01-404020-150M	15.00 ±20%	1.10	0.299	1.50	3,000
SPI01-404020-220M	22.00 ±20%	0.87	0.455	1.10	3,000
SPI01-404020-270M	27.00 ±20%	0.70	0.709	1.10	3,000

测试状态

Test Condition

☆ 电感测试条件为 1.0MHz / 1.0V

Inductance measure condition at 1.0MHz / 1.0V

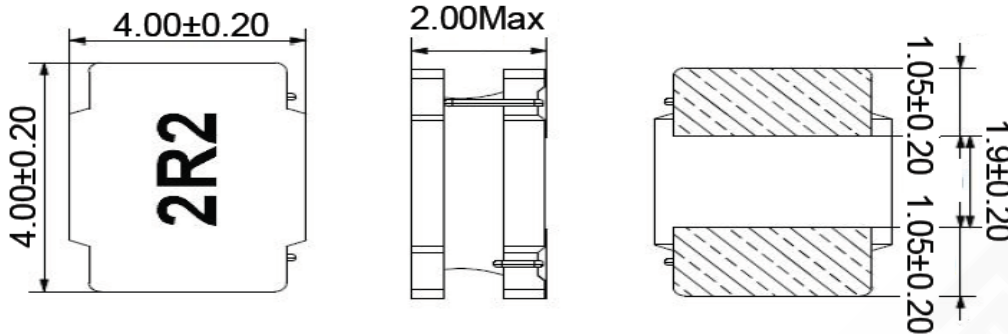
☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值

Saturation Current: The actual value of DC current when the inductance drop 30% of initial value

尺寸
Dimension (mm)



焊盘推荐
Land Pattern Recommended (mm)

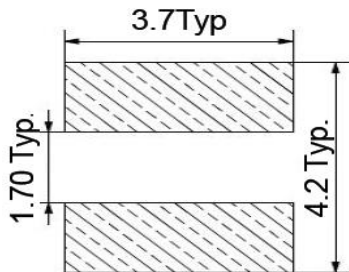


示意图
Schematics



电性特性
Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r typ 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	卷盘数量 Taping Reel Qty. pcs
SPI01-404020-330M	33.00 ±20%	0.68	0.715	0.93	3,000
SPI01-404020-390M	39.00 ±20%	0.64	0.845	0.90	3,000
SPI01-404020-430M	43.00 ±20%	0.63	0.858	0.85	3,000
SPI01-404020-470M	47.00 ±20%	0.61	0.923	0.81	3,000
SPI01-404020-510M	51.00 ±20%	0.59	0.975	0.77	3,000
SPI01-404020-560M	56.00 ±20%	0.57	1.040	0.72	3,000
SPI01-404020-620M	62.00 ±20%	0.52	1.170	0.71	3,000
SPI01-404020-680M	68.00 ±20%	0.50	1.380	0.67	3,000
SPI01-404020-750M	75.00 ±20%	0.49	1.510	0.77	3,000
SPI01-404020-820M	82.00 ±20%	0.47	1.520	0.55	3,000
SPI01-404020-101M	100.00 ±20%	0.43	2.020	0.53	3,000

测试状态

Test Condition

☆ 电感测试条件为 1.0MHz / 1.0V

Inductance measure condition at 1.0MHz / 1.0V

☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值

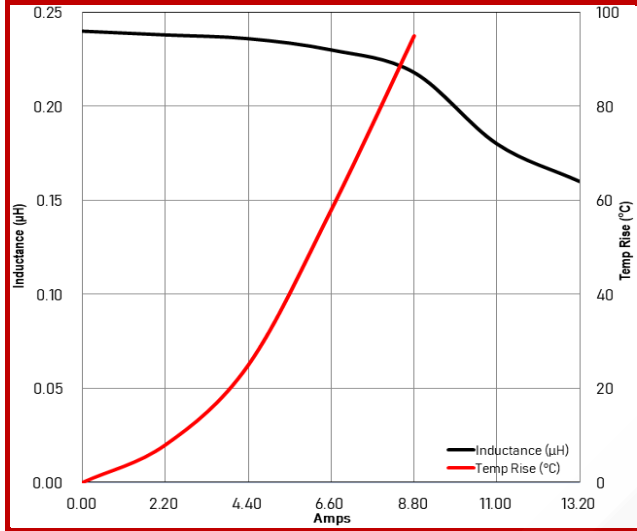
Saturation Current: The actual value of DC current when the inductance drop 30% of initial value



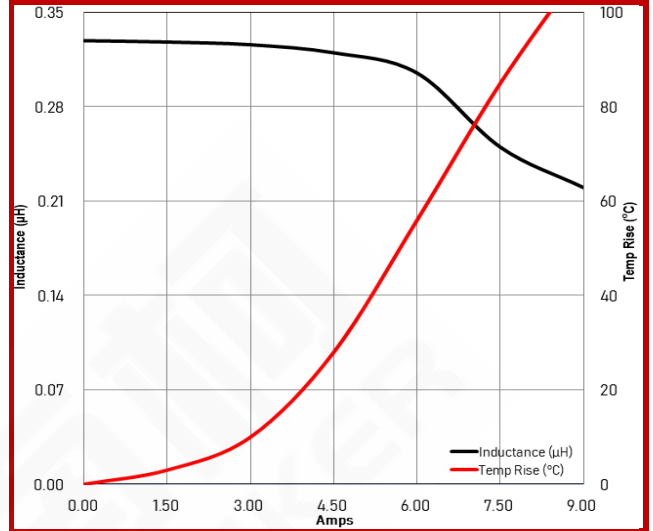
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

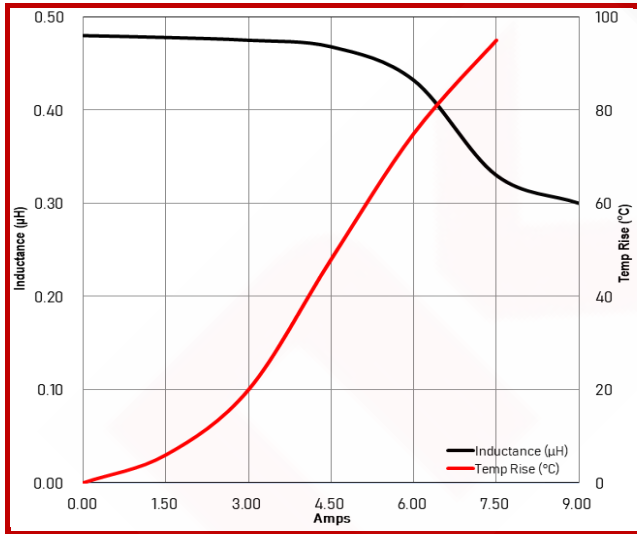
SPI01-404020-R24M



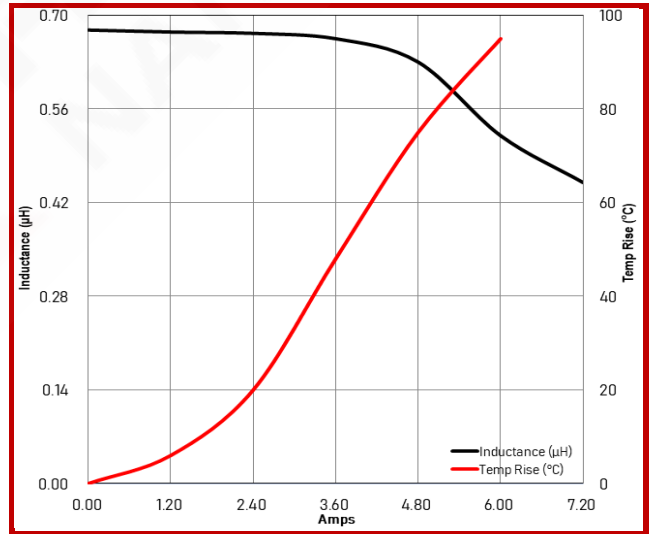
SPI01-404020-R33M



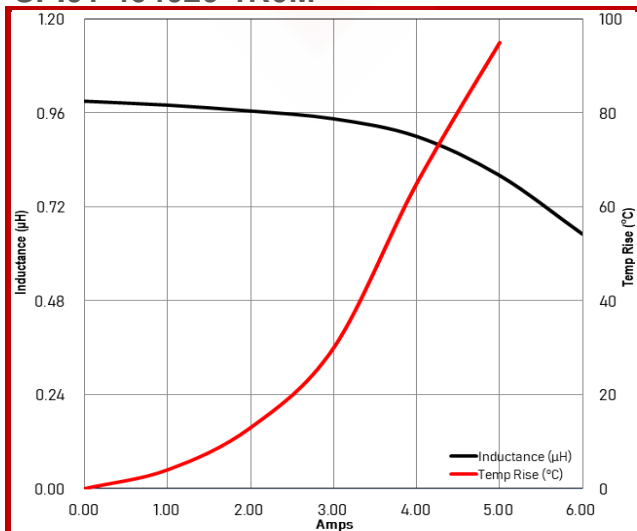
SPI01-404020-R47M



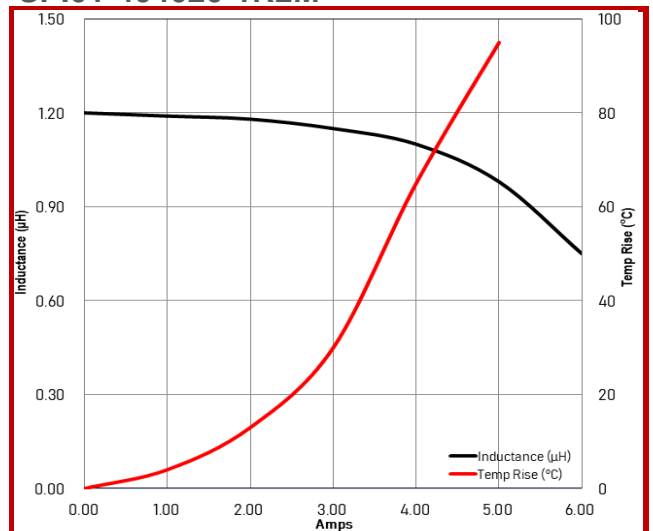
SPI01-404020-R68M



SPI01-404020-1R0M



SPI01-404020-1R2M

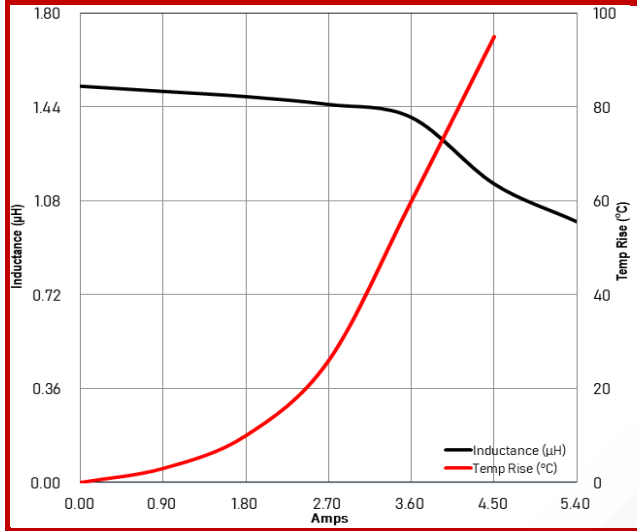




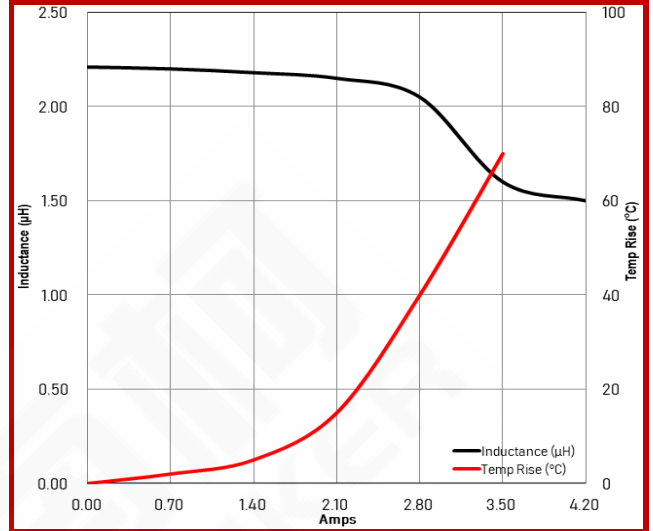
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

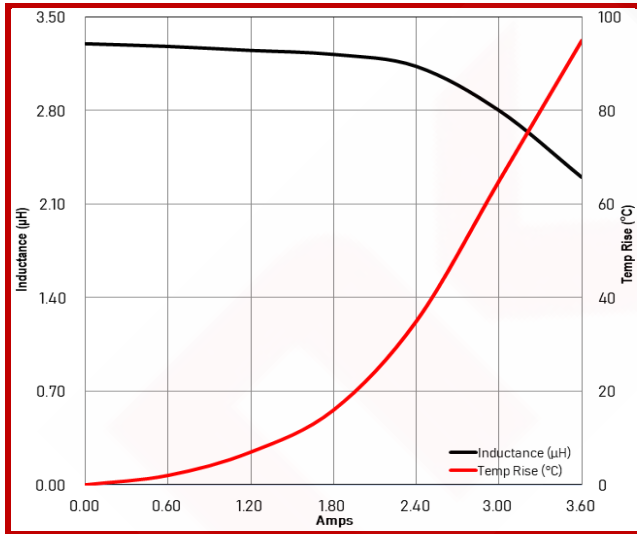
SPI01-404020-1R5M



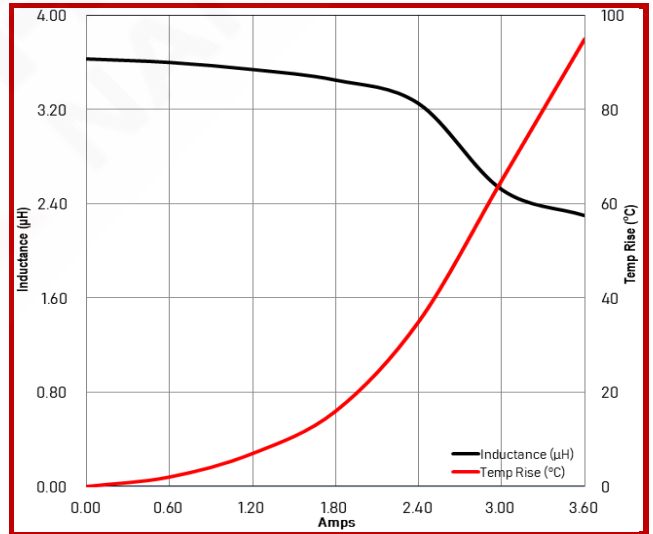
SPI01-404020-2R2M



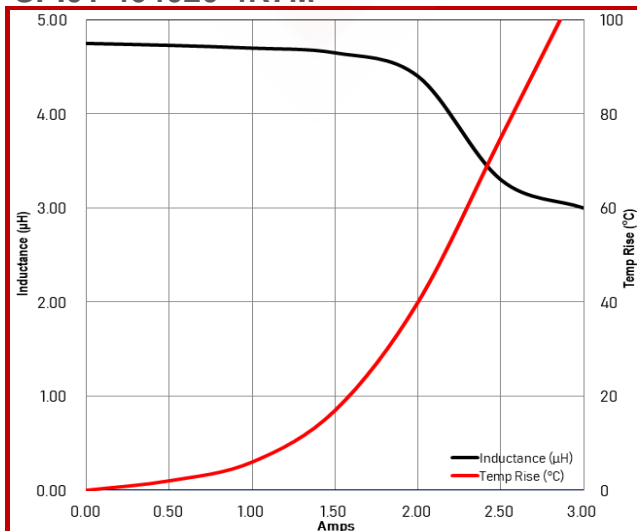
SPI01-404020-3R3M



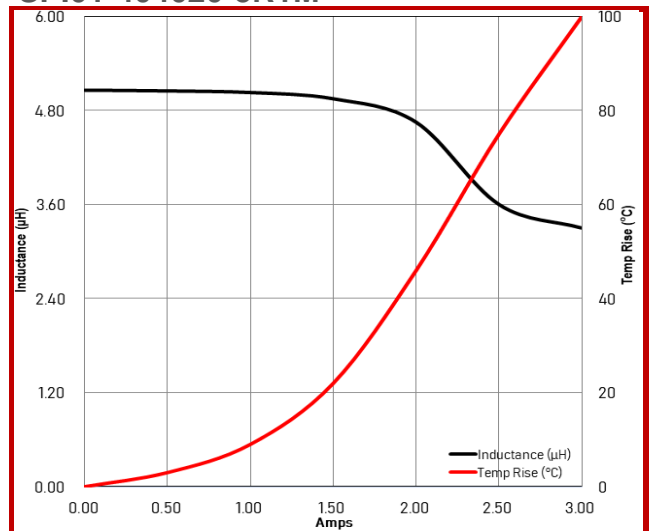
SPI01-404020-3R6M



SPI01-404020-4R7M



SPI01-404020-5R1M

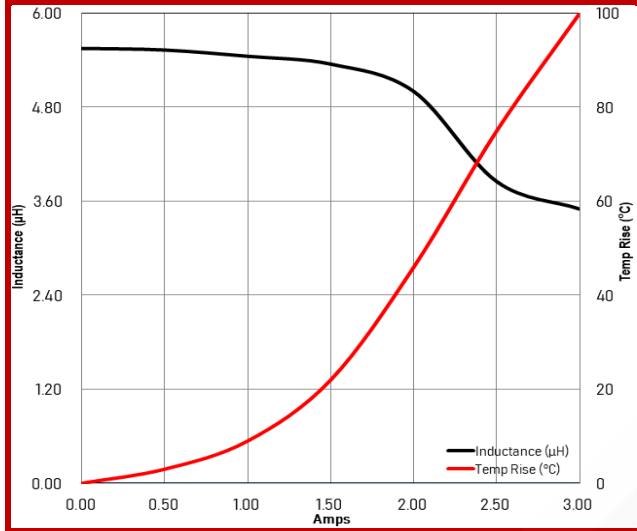




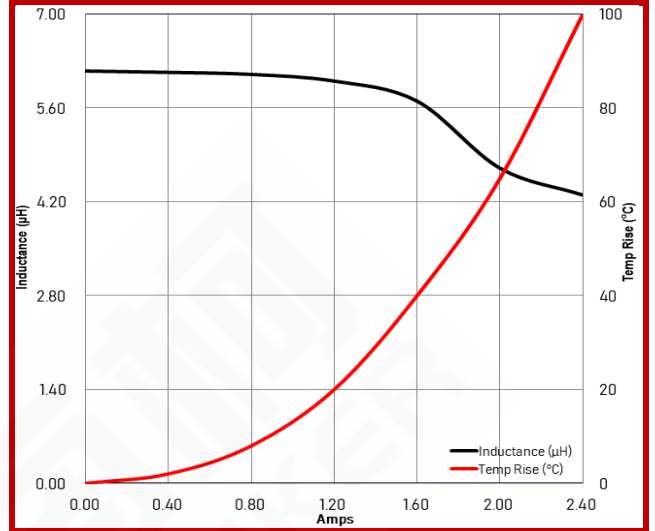
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

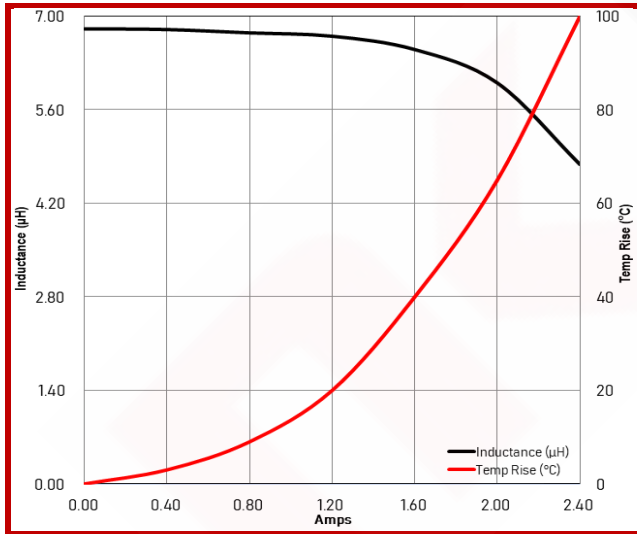
SPI01-404020-5R6M



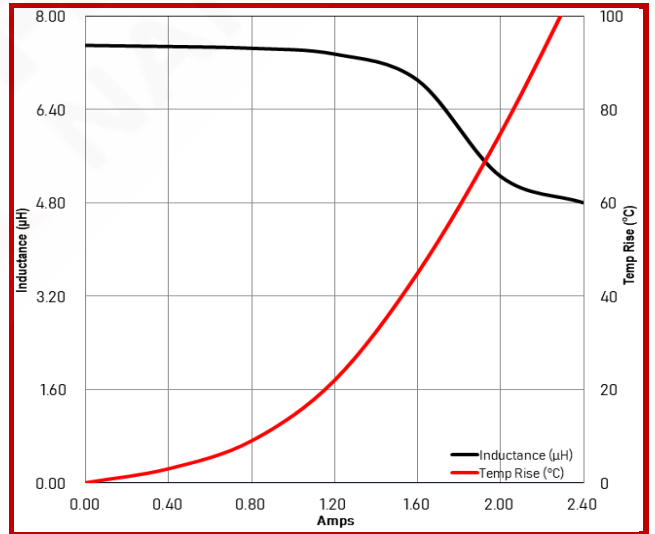
SPI01-404020-6R2M



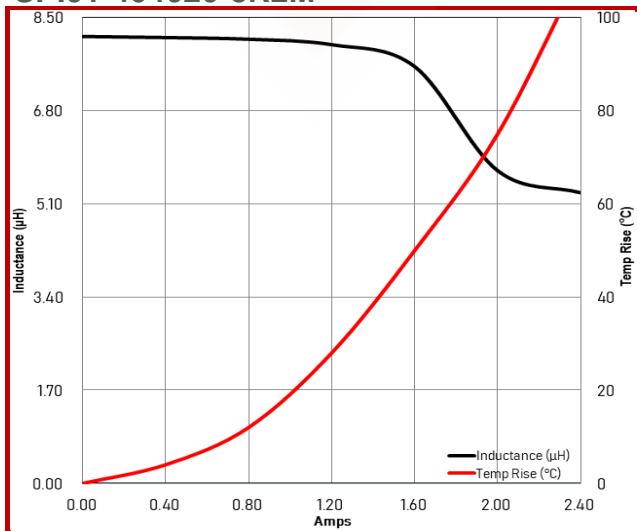
SPI01-404020-6R8M



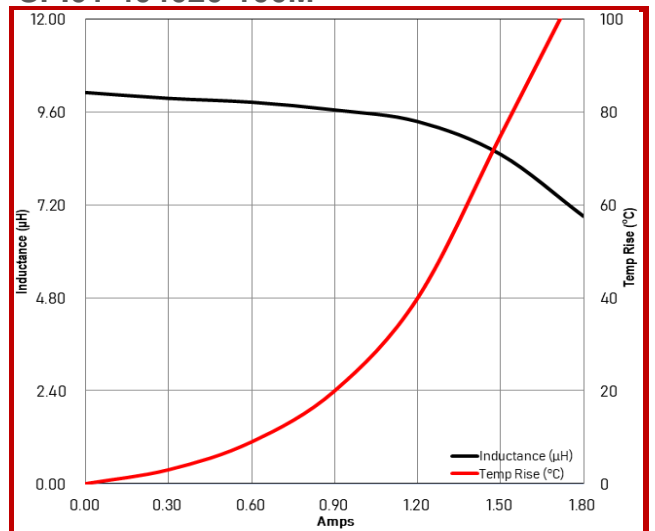
SPI01-404020-7R5M



SPI01-404020-8R2M



SPI01-404020-100M

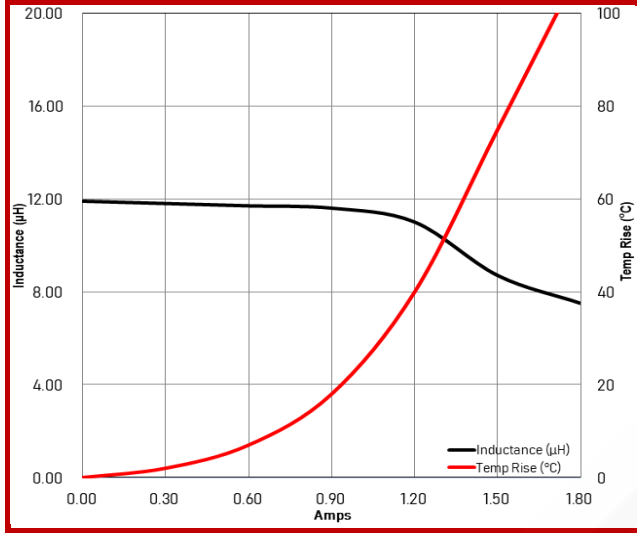




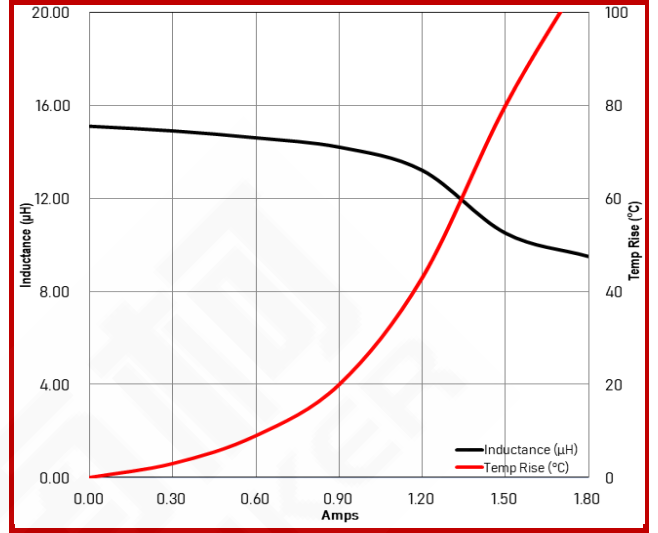
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

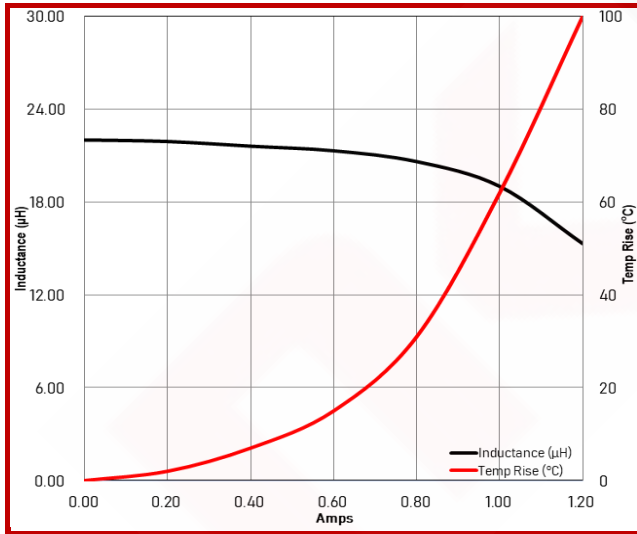
SPI01-404020-120M



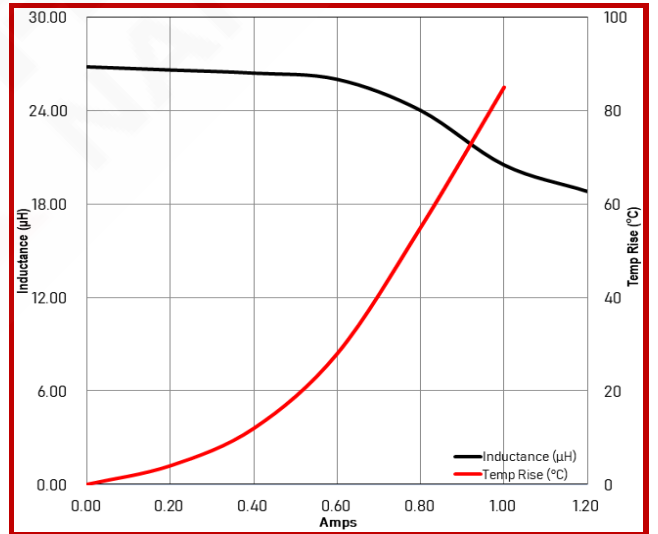
SPI01-404020-150M



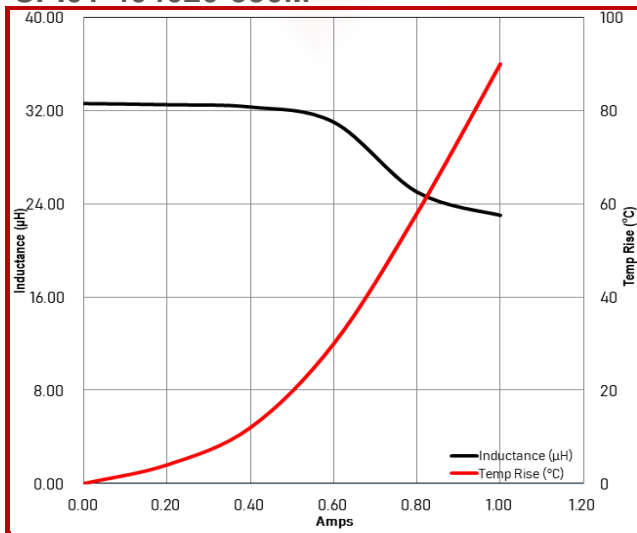
SPI01-404020-220M



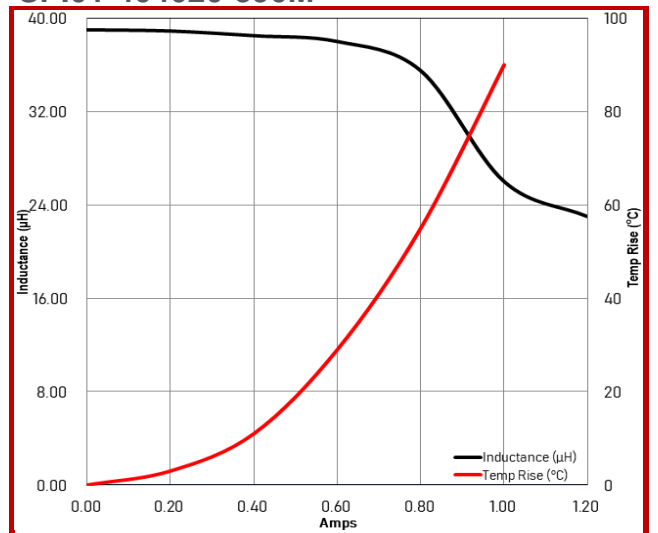
SPI01-404020-270M



SPI01-404020-330M



SPI01-404020-390M

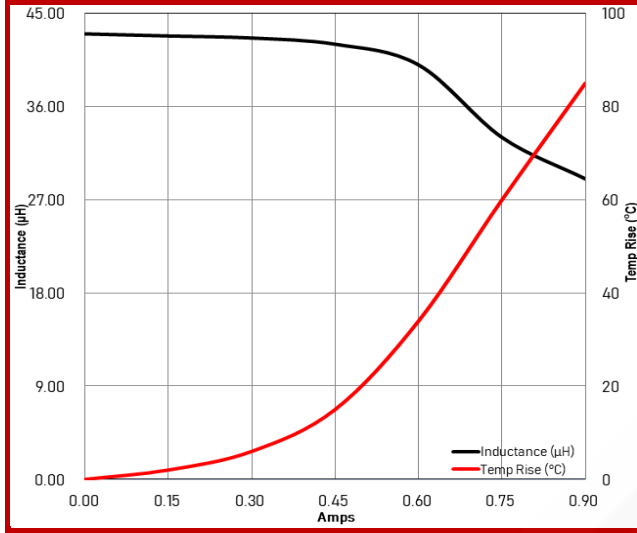




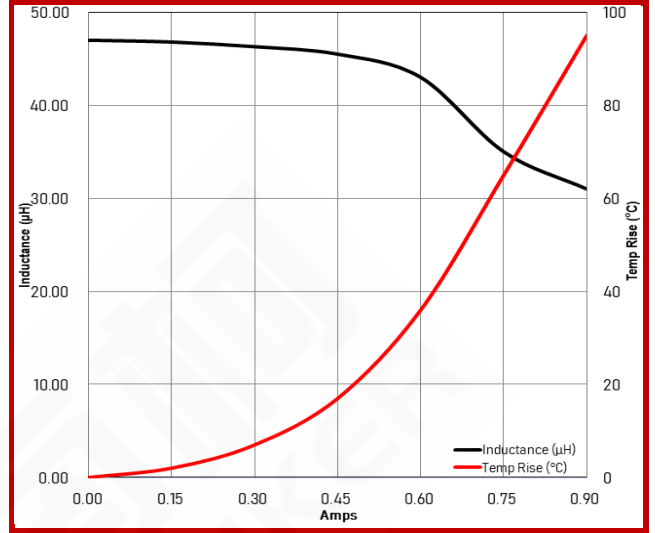
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

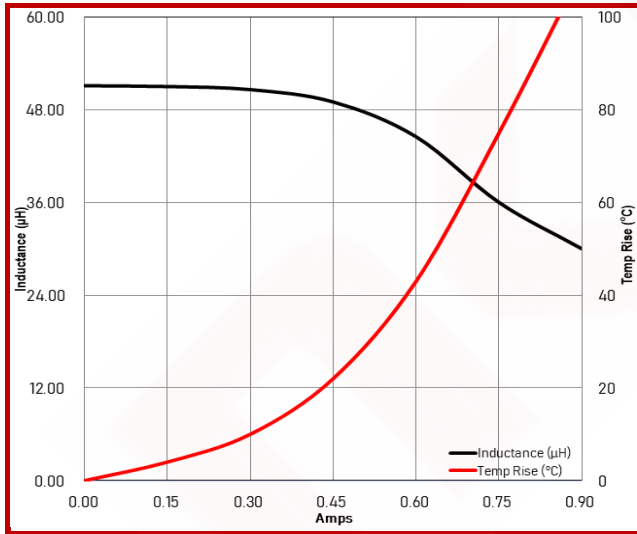
SPI01-404020-430M



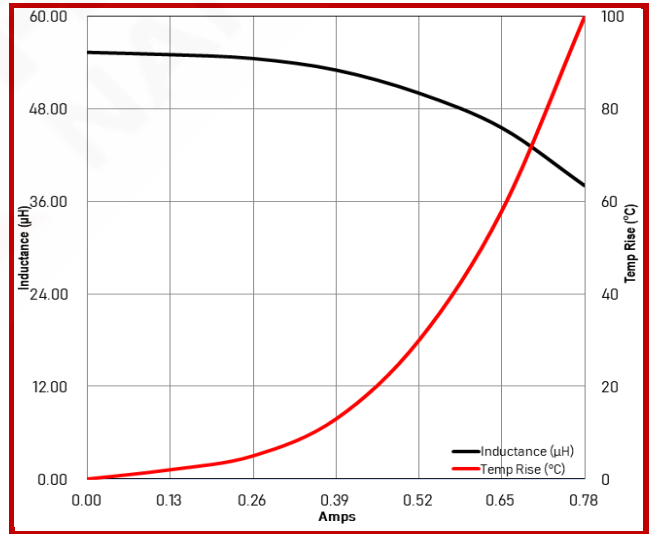
SPI01-404020-470M



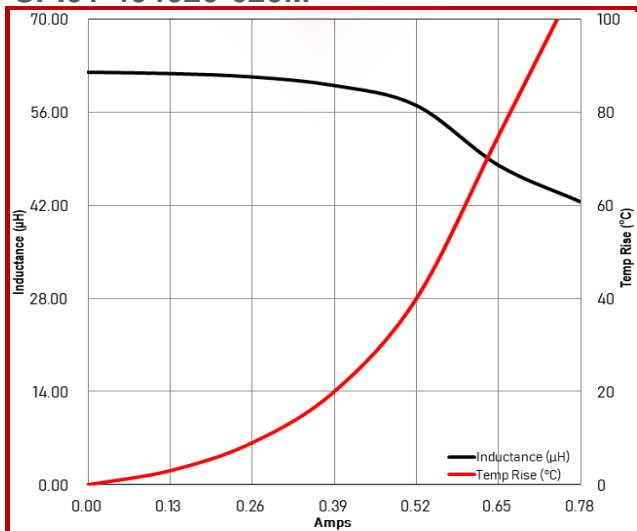
SPI01-404020-510M



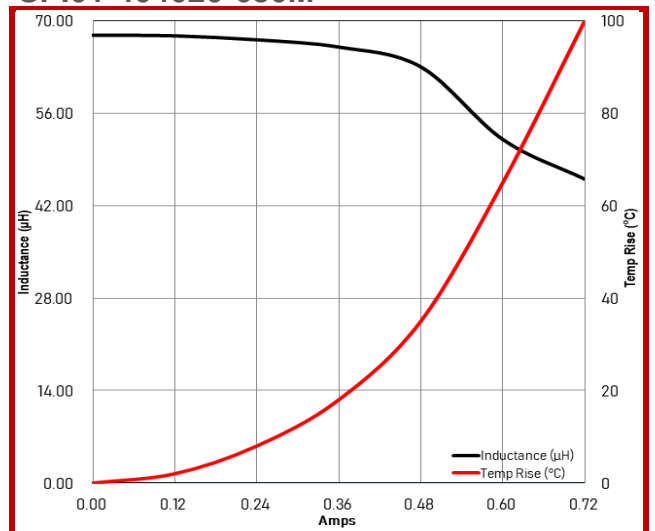
SPI01-404020-560M



SPI01-404020-620M



SPI01-404020-680M

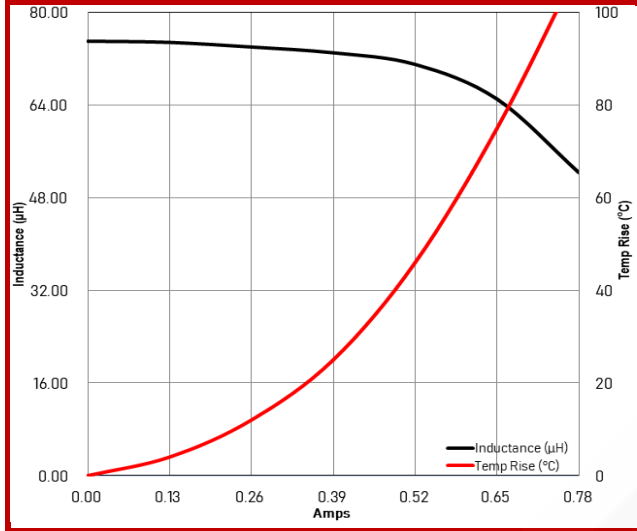




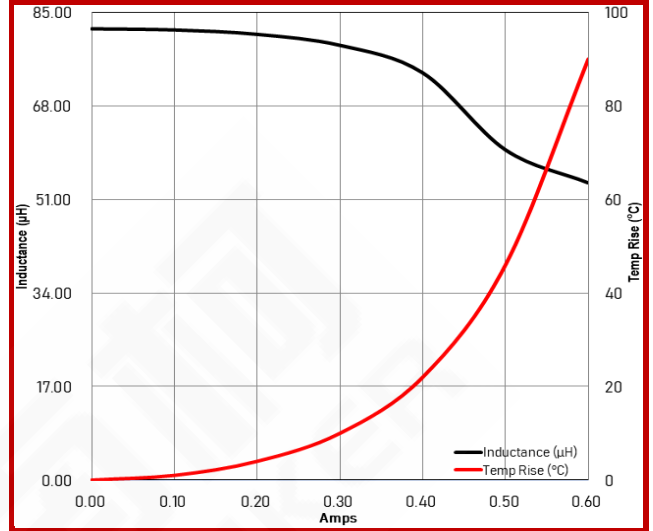
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

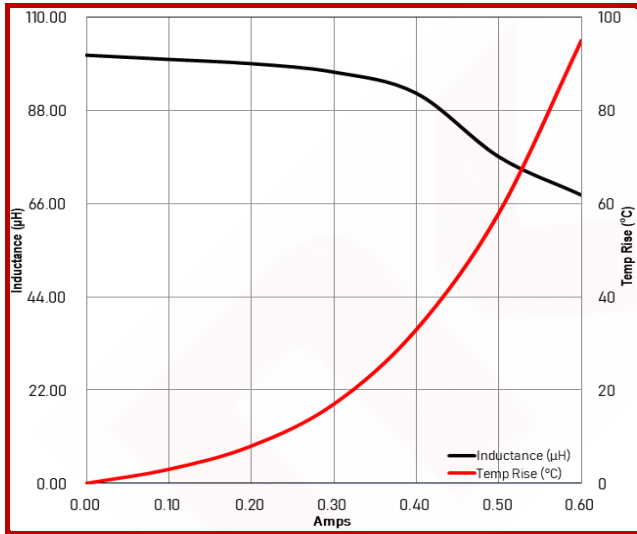
SPI01-404020-750M



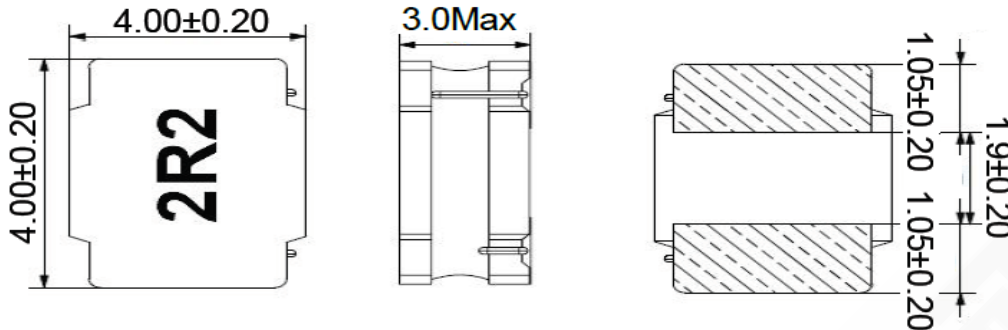
SPI01-404020-820M



SPI01-404020-101M



尺寸 Dimension (mm)



焊盘推荐 Land Pattern Recommended (mm)

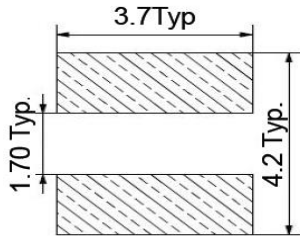


示意图 Schematics



电性特性 Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r typ 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	卷盘数量 Taping Reel Qty. pcs
SPI01-404030-R47M	0.47 ±20%	5.90	0.011	9.80	2,000
SPI01-404030-R68M	0.68 ±20%	5.10	0.013	8.00	2,000
SPI01-404030-R91M	0.91 ±20%	4.70	0.017	6.80	2,000
SPI01-404030-1R0M	1.00 ±20%	4.70	0.018	5.70	2,000
SPI01-404030-1R2M	1.20 ±20%	4.20	0.020	6.30	2,000
SPI01-404030-1R5M	1.50 ±20%	3.60	0.026	5.30	2,000
SPI01-404030-1R8M	1.80 ±20%	3.30	0.033	5.80	2,000
SPI01-404030-2R2M	2.20 ±20%	3.20	0.039	5.80	2,000
SPI01-404030-3R3M	3.30 ±20%	2.60	0.052	3.60	2,000
SPI01-404030-3R6M	3.60 ±20%	2.60	0.052	3.50	2,000
SPI01-404030-3R9M	3.90 ±20%	2.30	0.074	3.30	2,000
SPI01-404030-4R3M	4.30 ±20%	2.30	0.072	3.20	2,000
SPI01-404030-4R7M	4.70 ±20%	2.30	0.078	3.20	2,000

测试状态

Test Condition

☆ 电感测试条件为 1.0MHz / 1.0V

Inductance measure condition at 1.0MHz / 1.0V

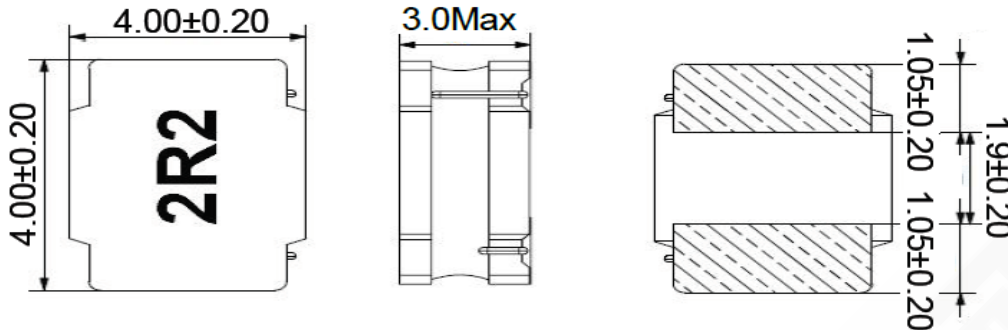
☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值

Saturation Current: The actual value of DC current when the inductance drop 30% of initial value

尺寸 Dimension (mm)



焊盘推荐 Land Pattern Recommended (mm)

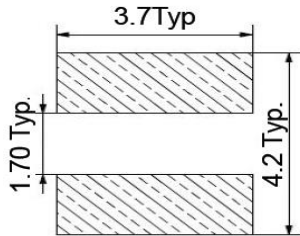


示意图 Schematics



电性特性 Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r typ 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	卷盘数量 Taping Reel Qty. pcs
SPI01-404030-5R6M	5.60 ±20%	2.10	0.085	3.00	2,000
SPI01-404030-6R8M	6.80 ±20%	1.70	0.117	2.80	2,000
SPI01-404030-7R5M	7.50 ±20%	1.80	0.110	2.40	2,000
SPI01-404030-8R2M	8.20 ±20%	1.70	0.117	2.30	2,000
SPI01-404030-100M	10.00 ±20%	1.60	0.130	2.40	2,000
SPI01-404030-120M	12.00 ±20%	1.40	0.175	1.80	2,000
SPI01-404030-150M	15.00 ±20%	1.20	0.247	1.80	2,000
SPI01-404030-180M	18.00 ±20%	1.20	0.260	1.50	2,000
SPI01-404030-220M	22.00 ±20%	1.20	0.293	1.40	2,000
SPI01-404030-330M	33.00 ±20%	0.92	0.429	1.20	2,000
SPI01-404030-360M	36.00 ±20%	0.91	0.436	1.10	2,000
SPI01-404030-390M	39.00 ±20%	0.80	0.566	1.10	2,000
SPI01-404030-470M	47.00 ±20%	0.80	0.579	1.00	2,000

测试状态

Test Condition

☆ 电感测试条件为 1.0MHz / 1.0V

Inductance measure condition at 1.0MHz / 1.0V

☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

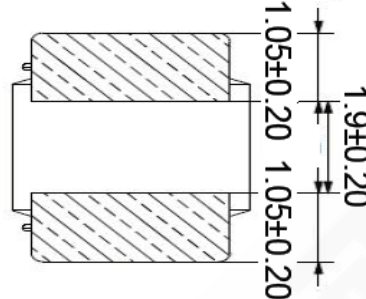
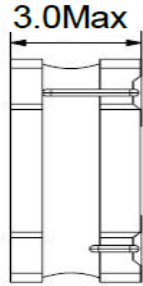
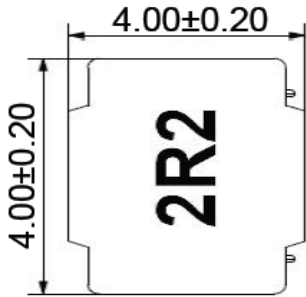
☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值

Saturation Current: The actual value of DC current when the inductance drop 30% of initial value



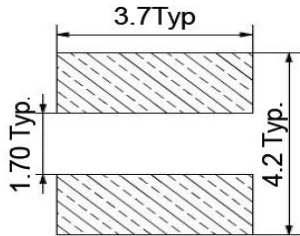
尺寸

Dimension (mm)



焊盘推荐

Land Pattern Recommended (mm)



示意图

Schematics



电性特性

Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r typ 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	卷盘数量 Taping Reel Qty. pcs
SPI01-404030-510M	51.00 ±20%	0.80	0.611	1.13	2,000
SPI01-404030-560M	56.00 ±20%	0.71	0.722	0.94	2,000
SPI01-404030-620M	62.00 ±20%	0.70	0.760	0.99	2,000
SPI01-404030-680M	68.00 ±20%	0.57	1.128	0.80	2,000
SPI01-404030-750M	75.00 ±20%	0.53	1.326	0.88	2,000
SPI01-404030-820M	82.00 ±20%	0.52	1.378	0.72	2,000
SPI01-404030-910M	91.00 ±20%	0.50	1.430	0.71	2,000
SPI01-404030-101M	100.00 ±20%	0.49	1.495	0.73	2,000
SPI01-404030-121M	120.00 ±20%	0.46	1.755	0.60	2,000
SPI01-404030-151M	150.00 ±20%	0.35	2.340	0.55	2,000
SPI01-404030-471M	470.00 ±20%	0.23	9.360	0.35	2,000
SPI01-404030-501M	500.00 ±20%	0.20	9.027	0.30	2,000
SPI01-404030-681M	680.00 ±20%	0.18	9.854	0.20	2,000

测试状态

Test Condition

☆ 电感测试条件为 1.0MHz / 1.0V

Inductance measure condition at 1.0MHz / 1.0V

☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值

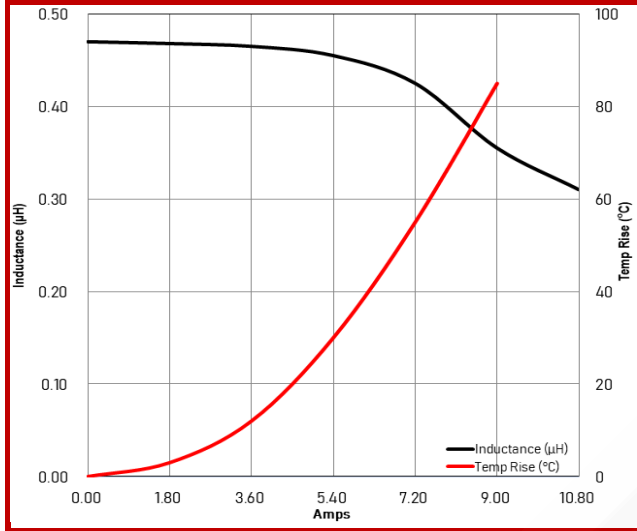
Saturation Current: The actual value of DC current when the inductance drop 30% of initial value



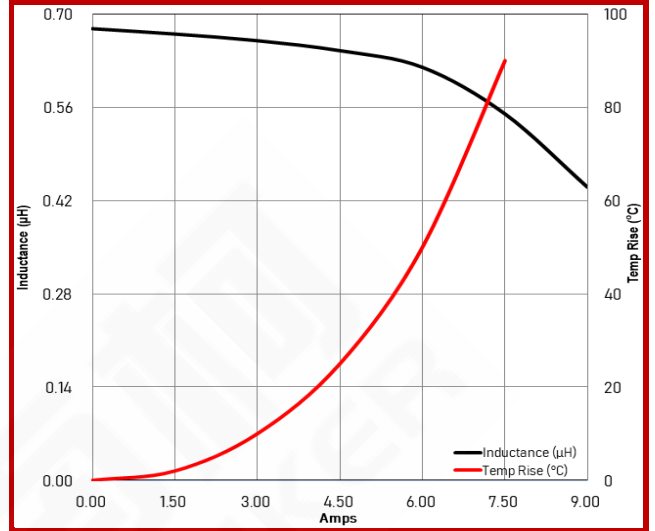
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

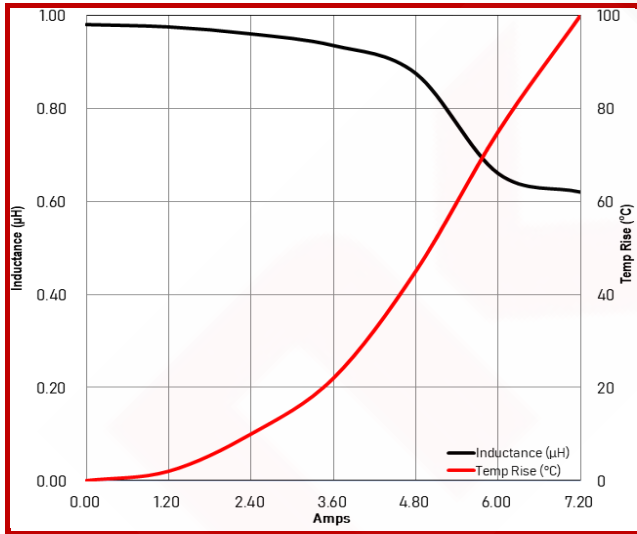
SPI01-404030-R47M



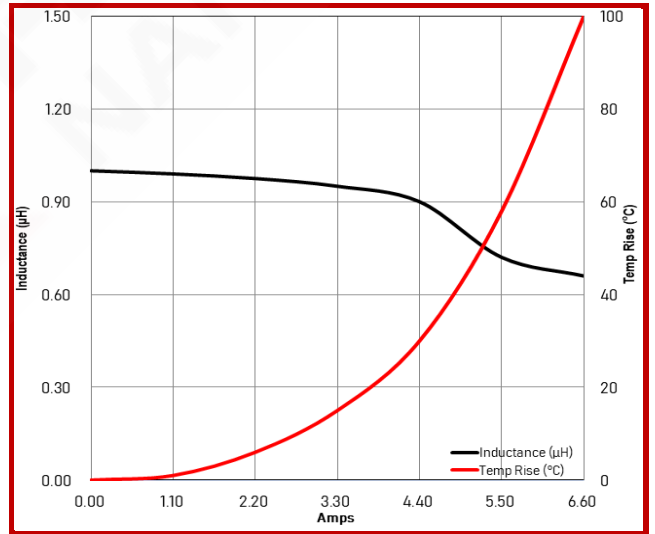
SPI01-404030-R68M



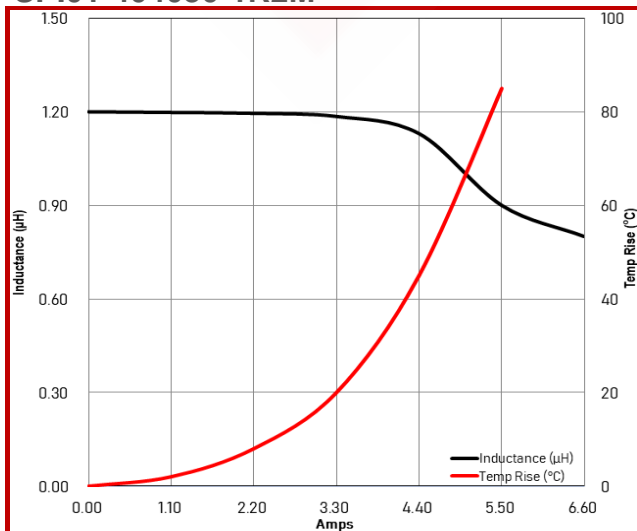
SPI01-404030-R91M



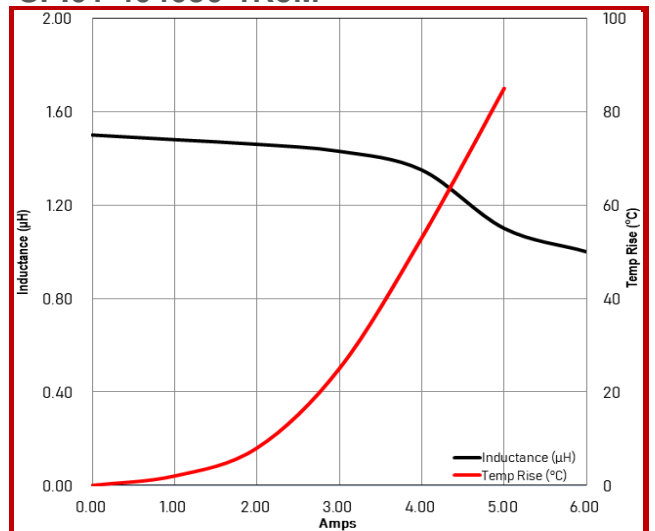
SPI01-404030-1R0M



SPI01-404030-1R2M



SPI01-404030-1R5M

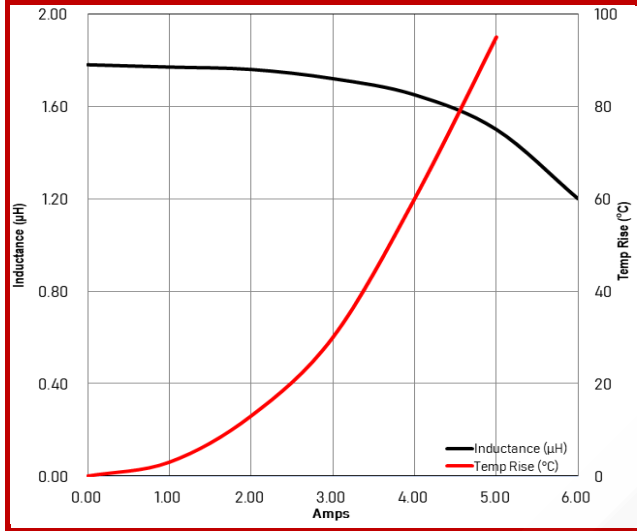




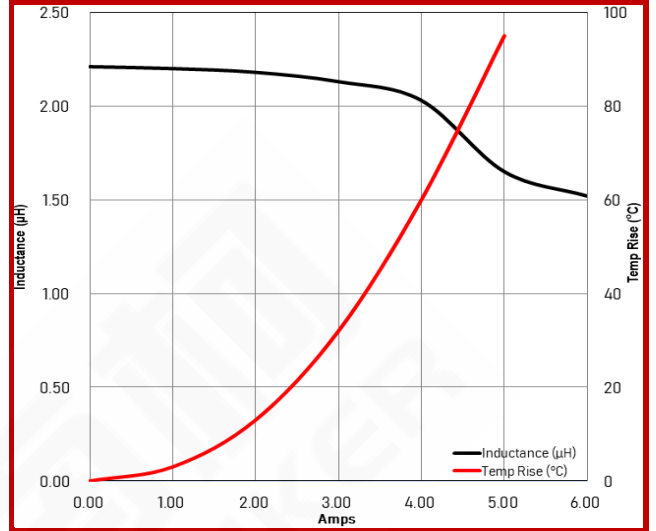
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

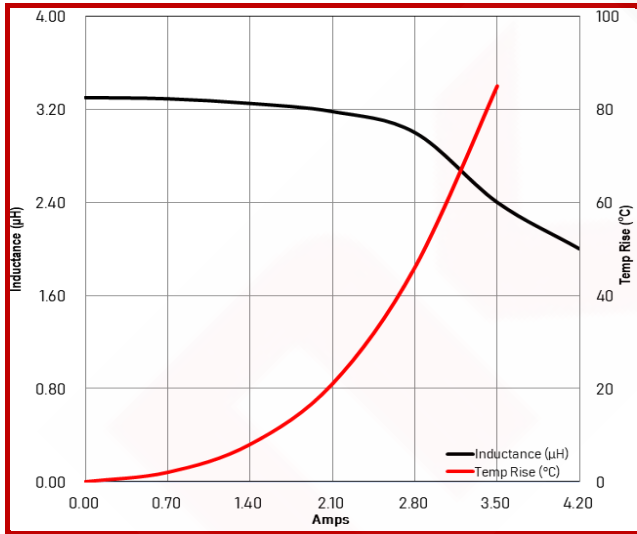
SPI01-404030-1R8M



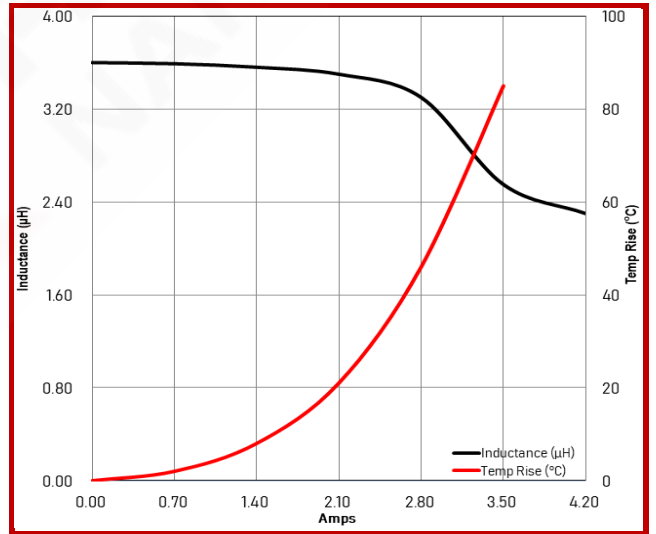
SPI01-404030-2R2M



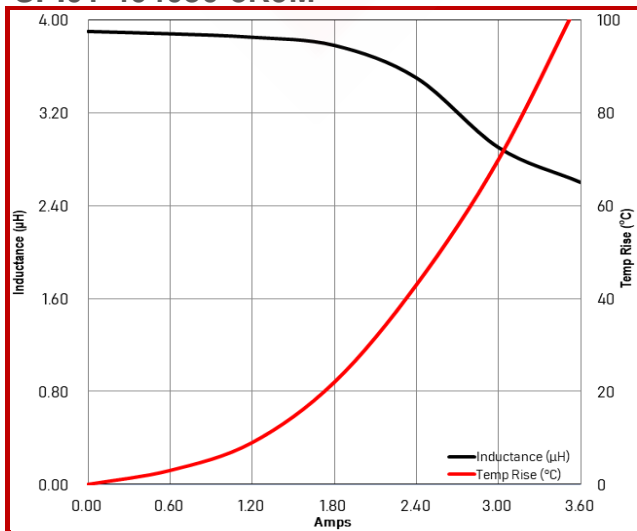
SPI01-404030-3R3M



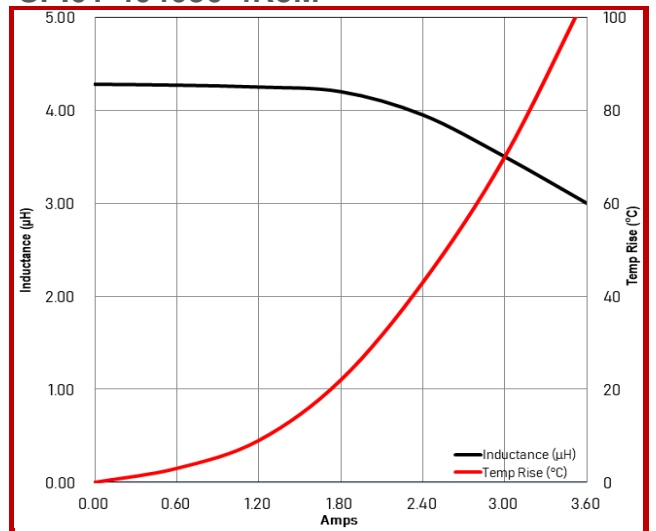
SPI01-404030-3R6M



SPI01-404030-3R9M



SPI01-404030-4R3M

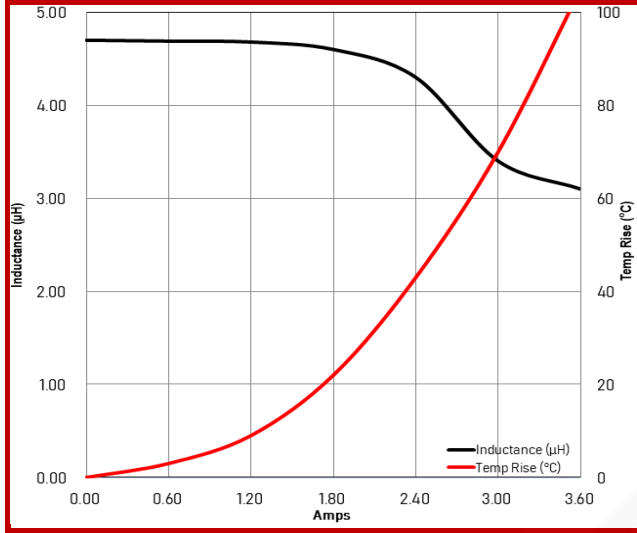




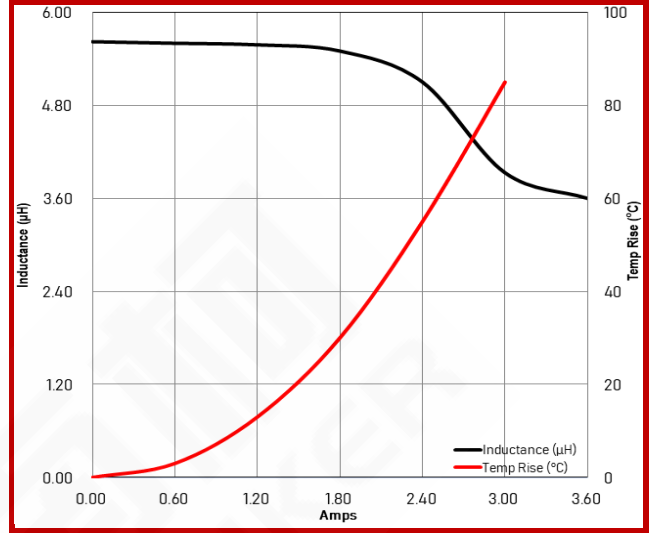
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

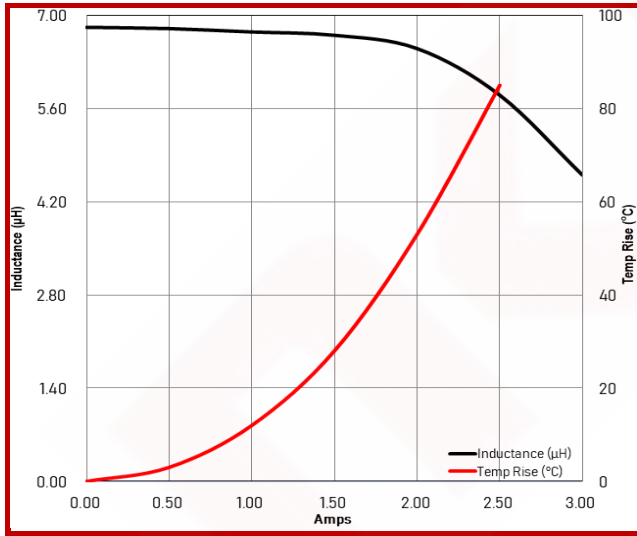
SPI01-404030-4R7M



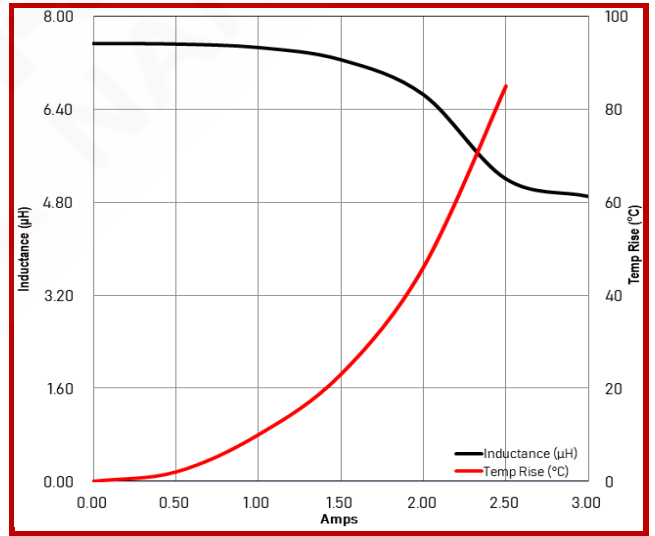
SPI01-404030-5R6M



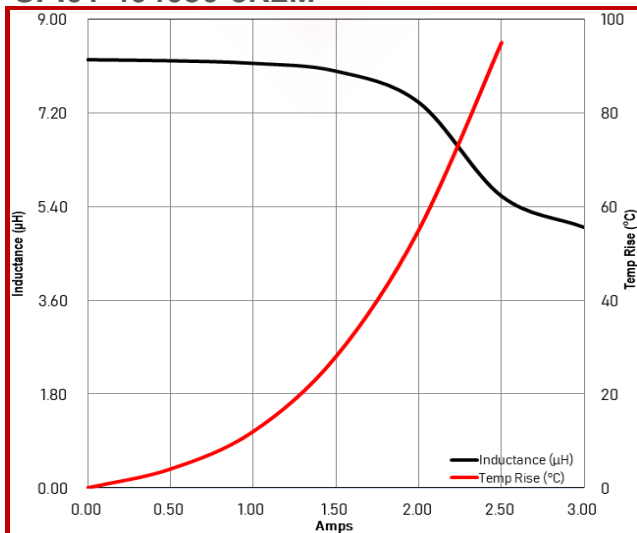
SPI01-404030-6R8M



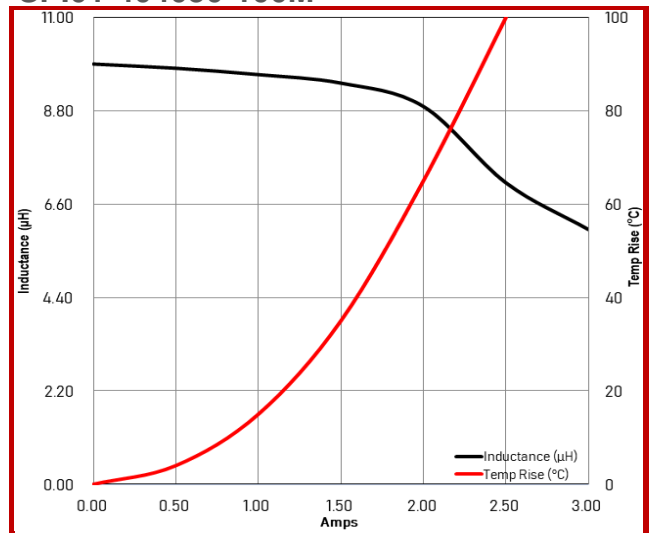
SPI01-404030-7R5M



SPI01-404030-8R2M



SPI01-404030-100M

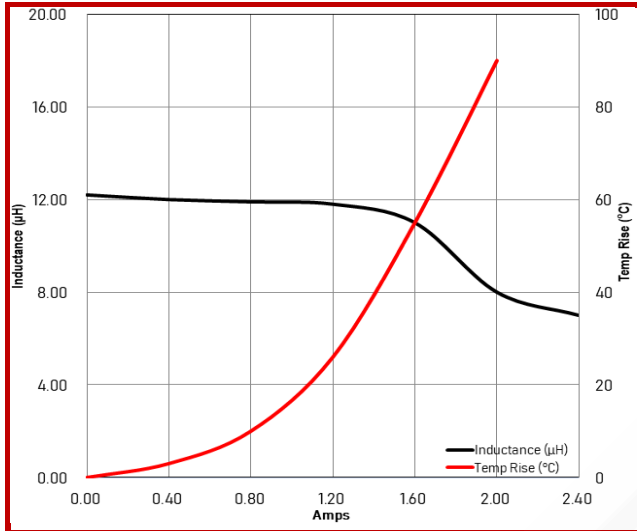




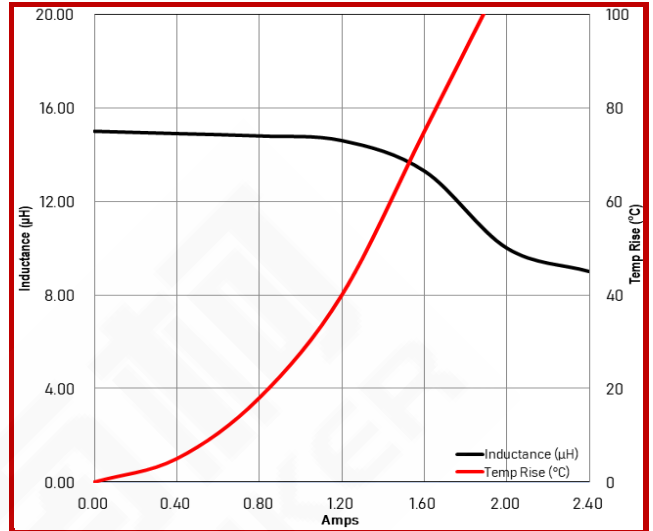
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

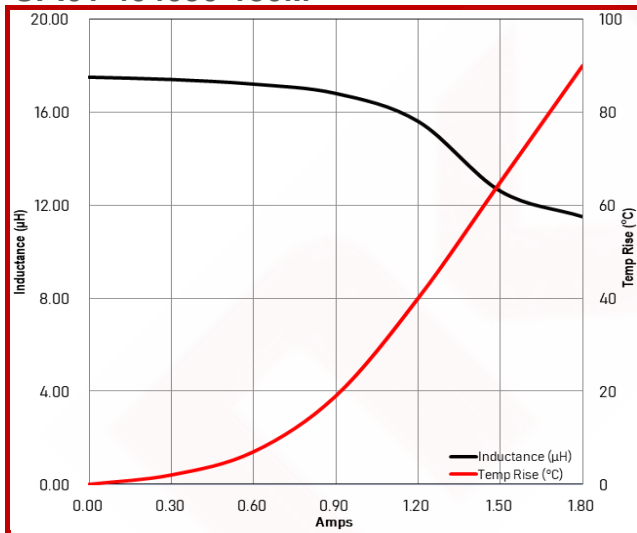
SPI01-404030-120M



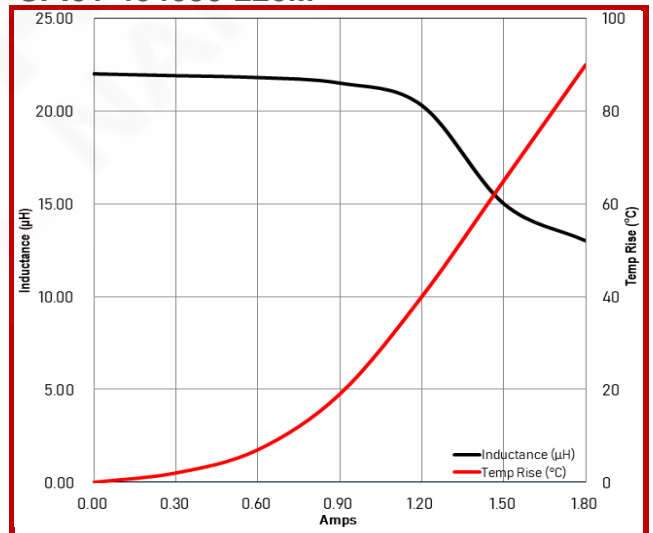
SPI01-404030-150M



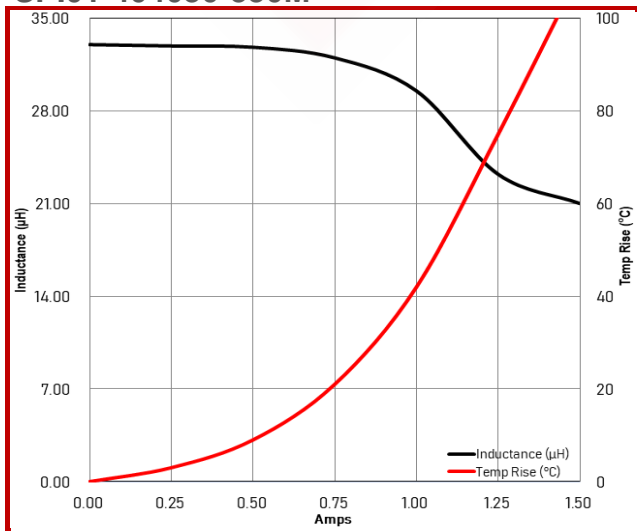
SPI01-404030-180M



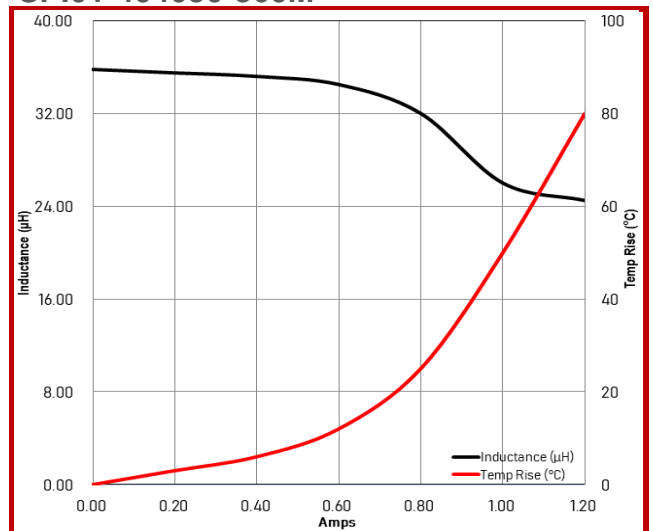
SPI01-404030-220M



SPI01-404030-330M



SPI01-404030-360M

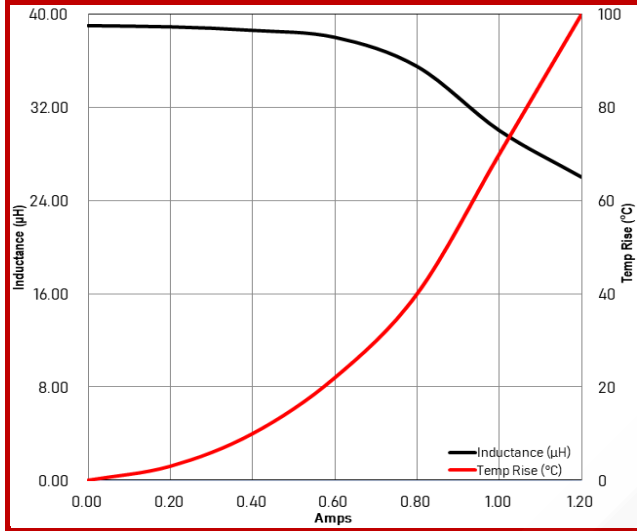




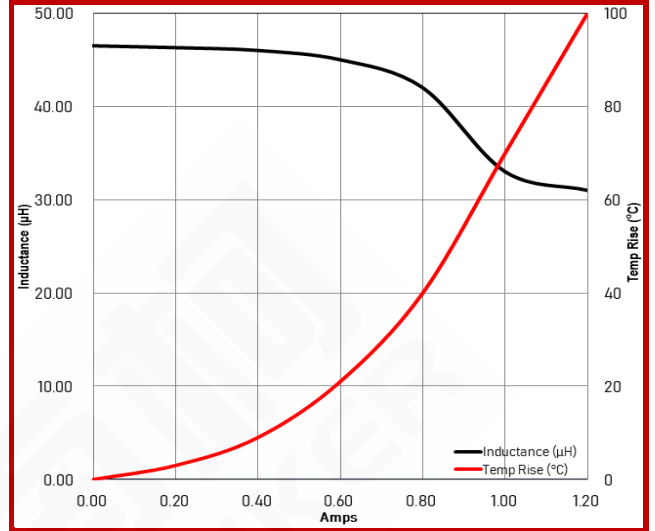
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

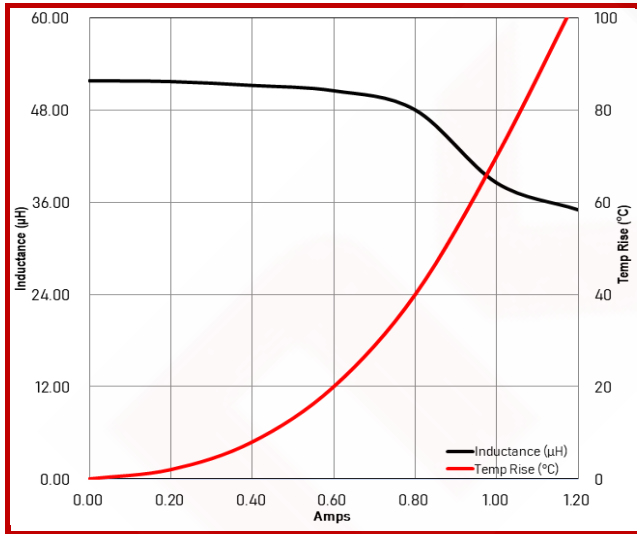
SPI01-404030-390M



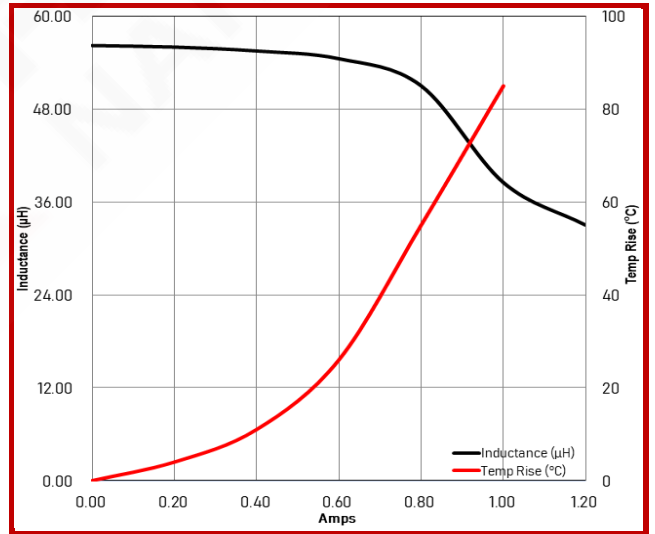
SPI01-404030-470M



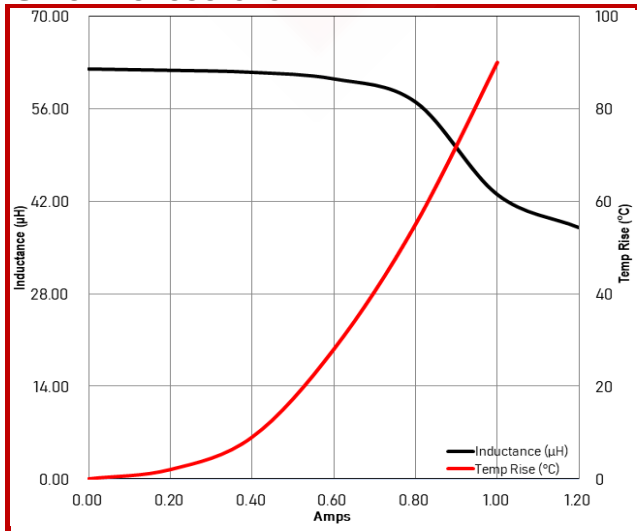
SPI01-404030-510M



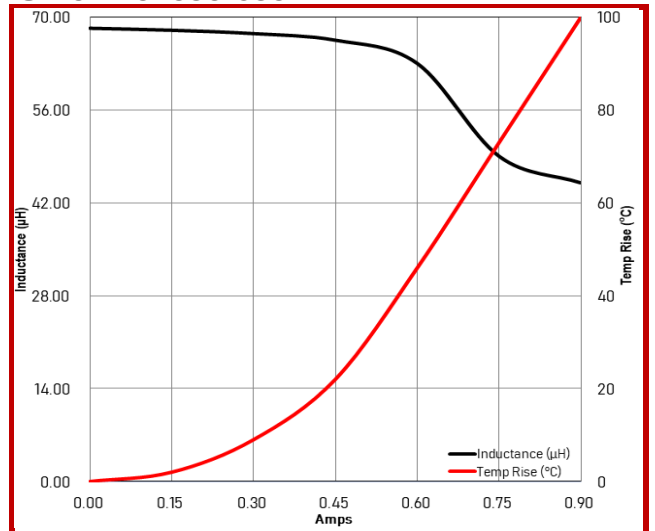
SPI01-404030-560M



SPI01-404030-620M



SPI01-404030-680M

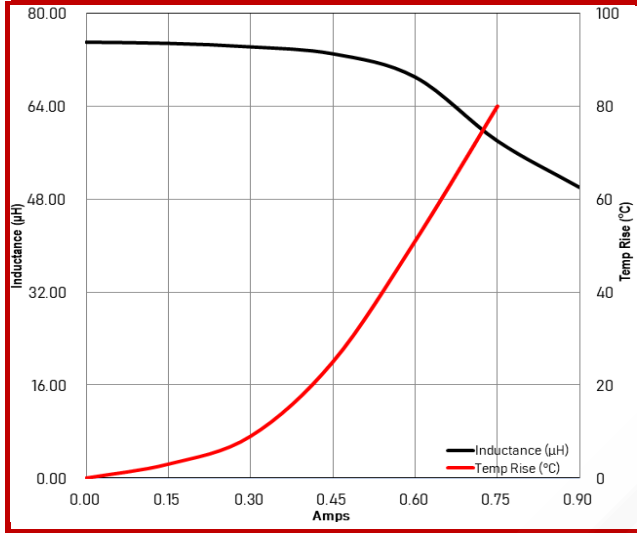




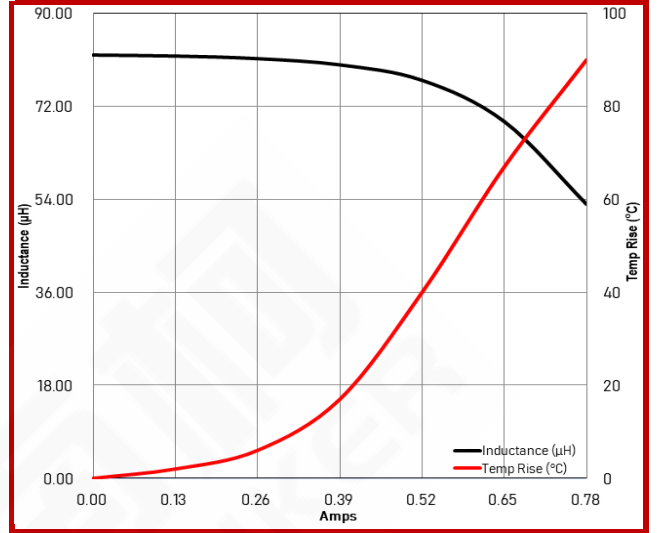
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

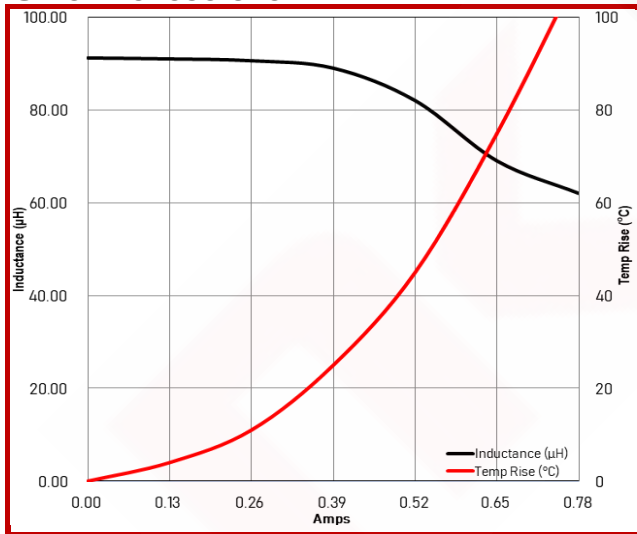
SPI01-404030-750M



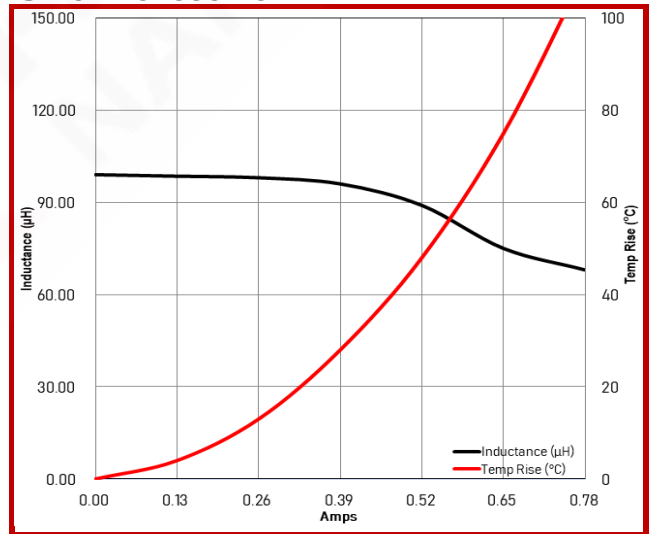
SPI01-404030-820M



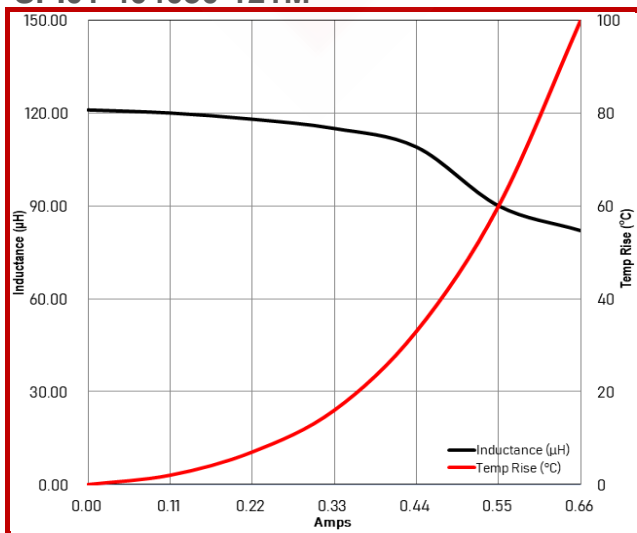
SPI01-404030-910M



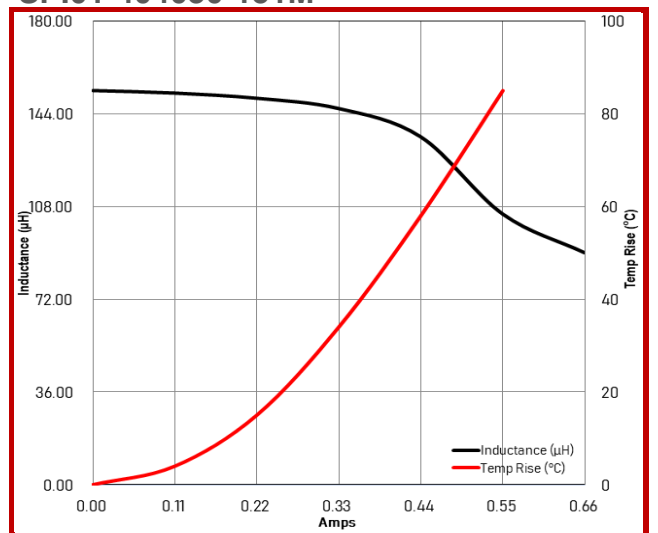
SPI01-404030-101M



SPI01-404030-121M



SPI01-404030-151M

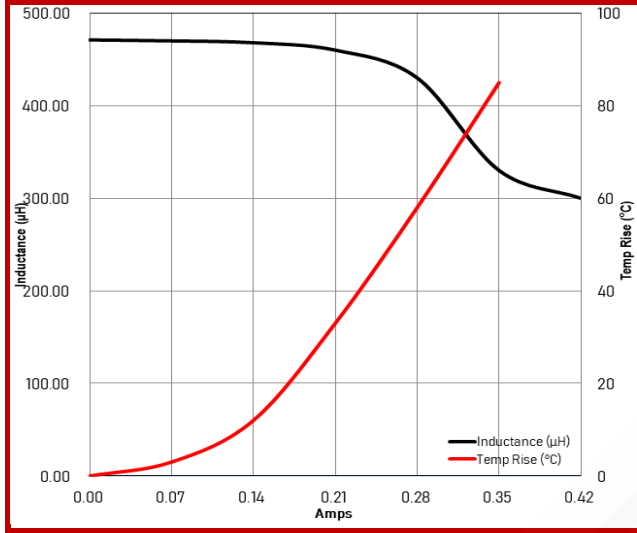




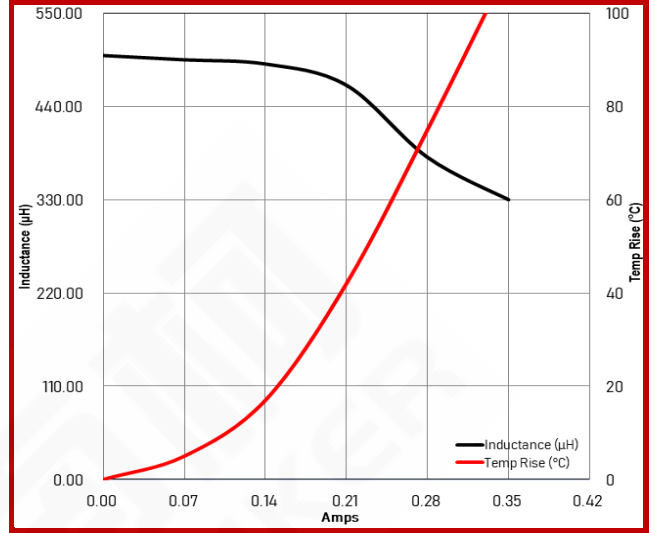
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

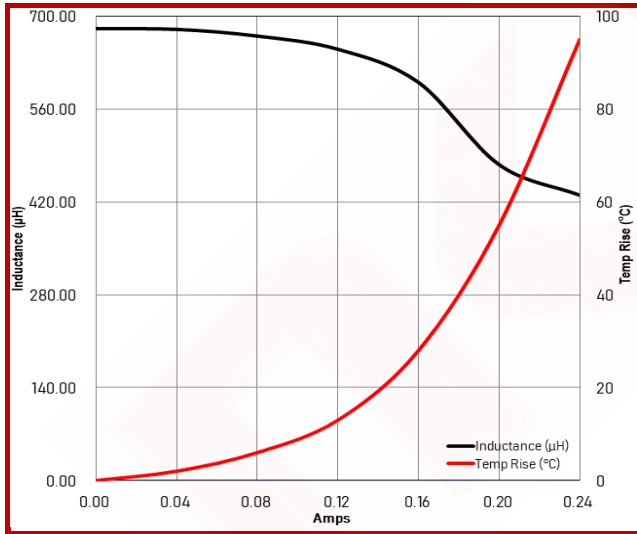
SPI01-404030-471M



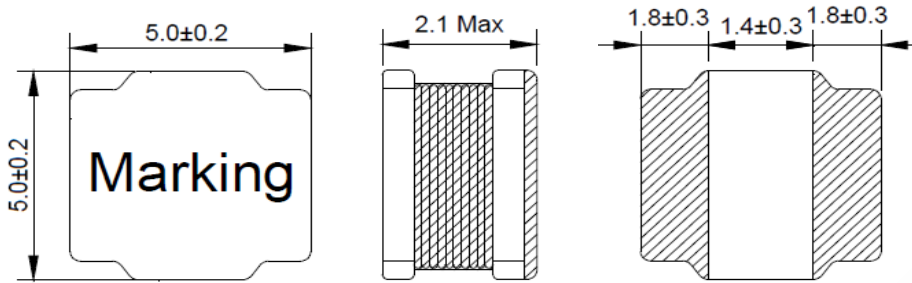
SPI01-404030-501M



SPI01-404030-681M



尺寸 Dimension (mm)



焊盘推荐 Land Pattern Recommended (mm)

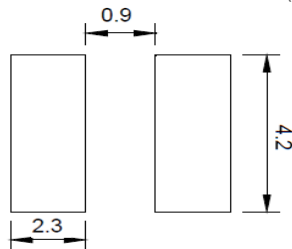


示意图 Schematics



电性特性 Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r max 40°C (A)	直流电阻 DC Resistance DCR ±30% (Ω)	饱和电流 Saturation Current I _{sat} max (A)	卷盘数量 Taping Reel Qty. pcs
SPI01-505020-R47N	0.47 ±30%	4.60	0.013	6.20	3,000
SPI01-505020-1R0N	1.00 ±30%	3.80	0.020	4.10	3,000
SPI01-505020-1R5N	1.50 ±30%	3.20	0.030	4.10	3,000
SPI01-505020-2R2N	2.20 ±30%	2.70	0.032	3.20	3,000
SPI01-505020-3R3M	3.30 ±20%	2.30	0.050	2.55	3,000
SPI01-505020-4R7M	4.70 ±20%	2.20	0.057	2.50	3,000
SPI01-505020-6R8M	6.80 ±20%	1.80	0.083	2.05	3,000
SPI01-505020-100M	10.00 ±20%	1.55	0.120	1.70	3,000
SPI01-505020-150M	15.00 ±20%	1.25	0.165	1.35	3,000
SPI01-505020-220M	22.00 ±20%	1.10	0.250	1.15	3,000
SPI01-505020-330M	33.00 ±20%	0.90	0.400	0.92	3,000
SPI01-505020-470M	47.00 ±20%	0.75	0.580	0.77	3,000
SPI01-505020-680M	68.00 ±20%	0.64	0.740	0.65	3,000
SPI01-505020-101M	100.00 ±20%	0.53	1.100	0.53	3,000

测试状态

Test Condition

☆ 电感测试条件为 1.0MHz / 1.0V

Inductance measure condition at 1.0MHz / 1.0V

☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值

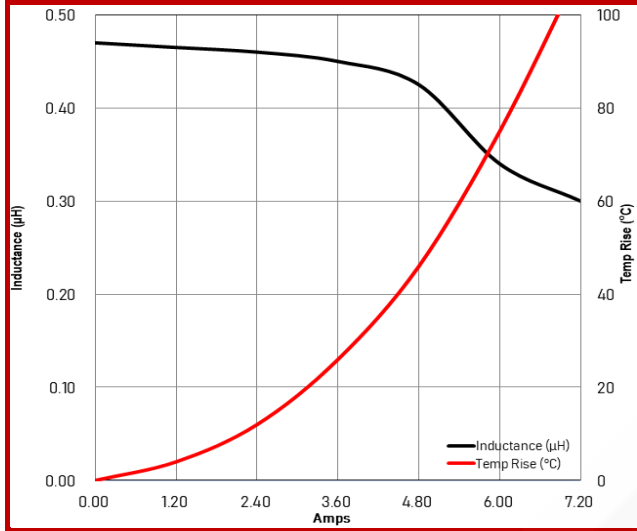
Saturation Current: The actual value of DC current when the inductance drop 30% of initial value



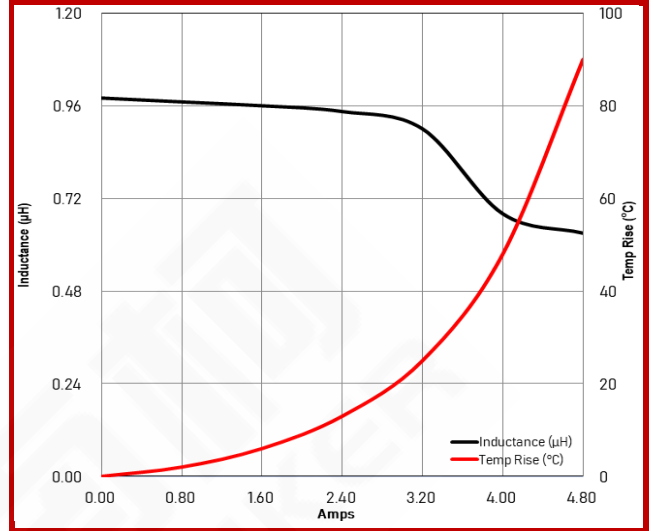
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

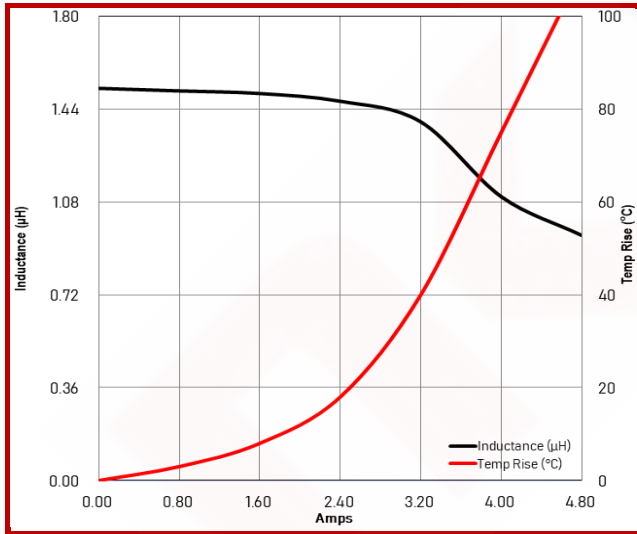
SPI01-505020-R47N



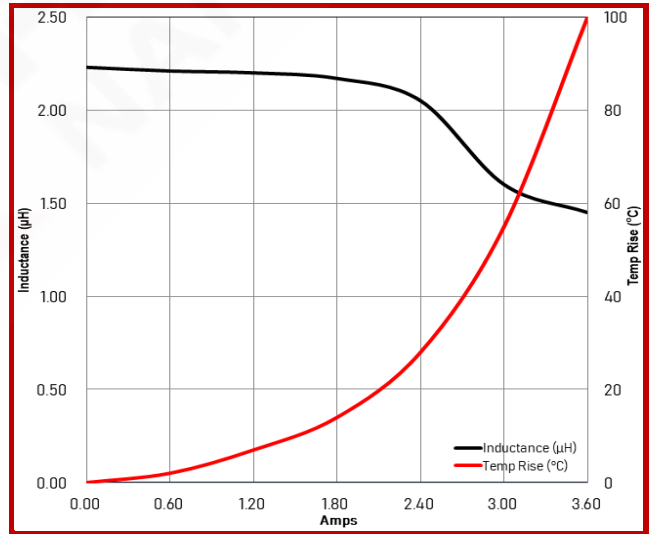
SPI01-505020-1R0N



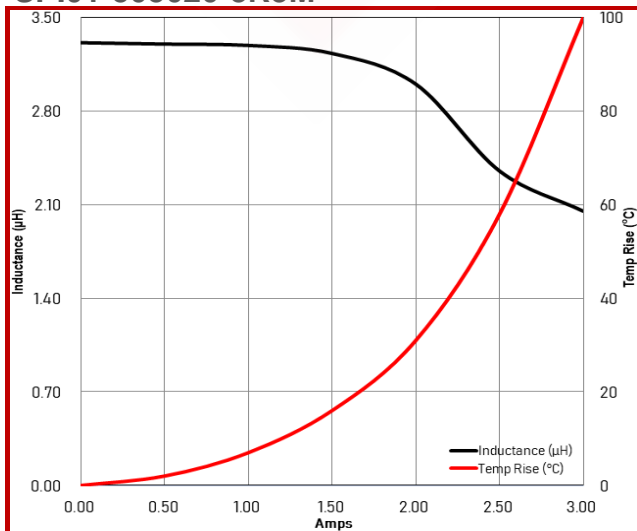
SPI01-505020-1R5N



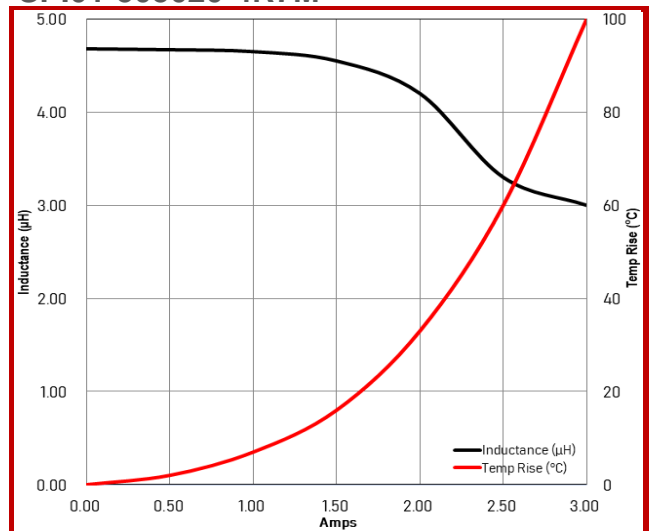
SPI01-505020-2R2N



SPI01-505020-3R3M



SPI01-505020-4R7M

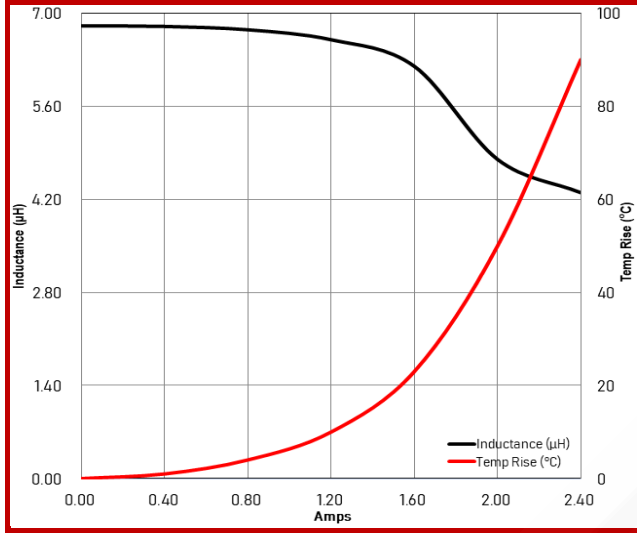




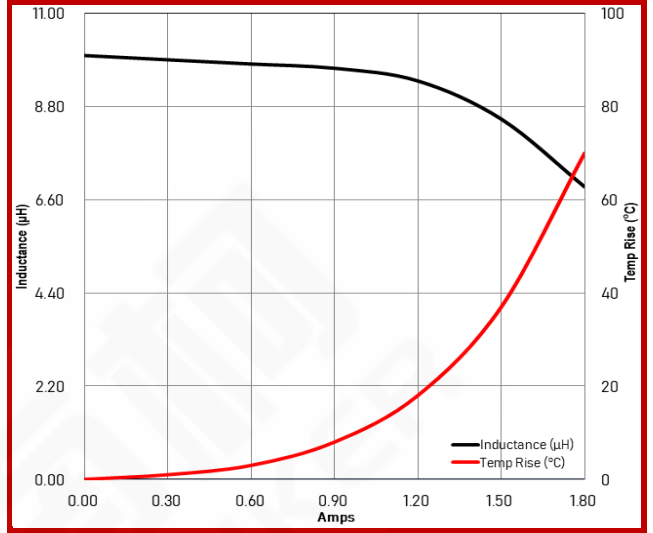
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

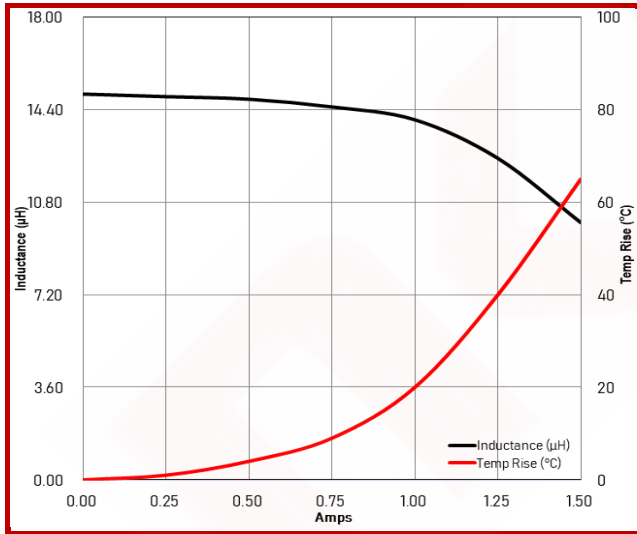
SPI01-505020-6R8M



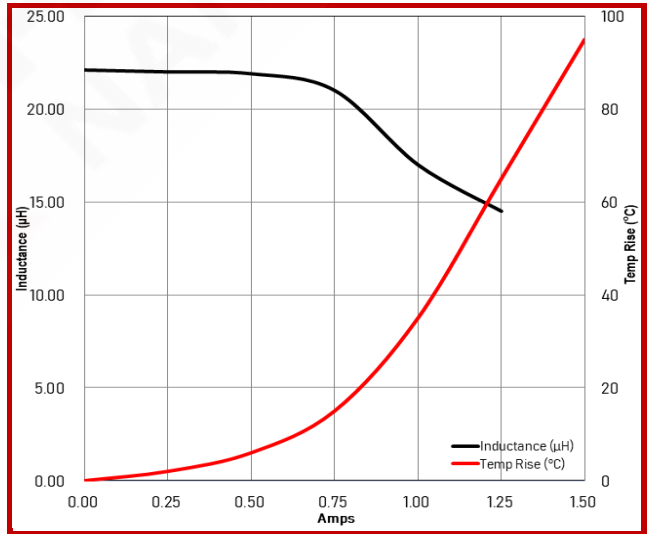
SPI01-505020-100M



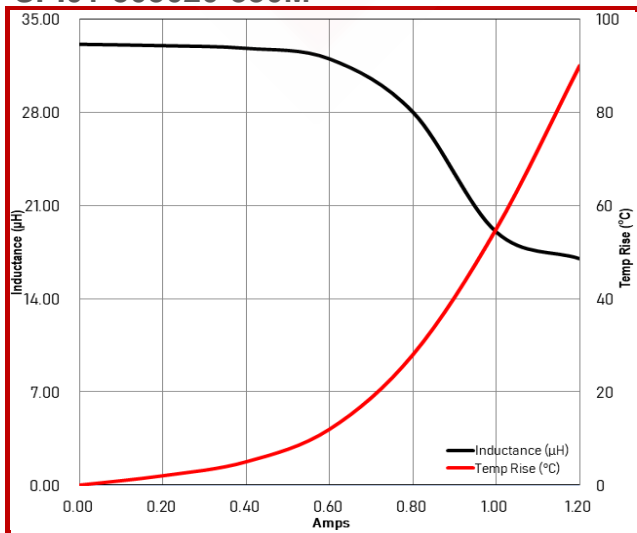
SPI01-505020-150M



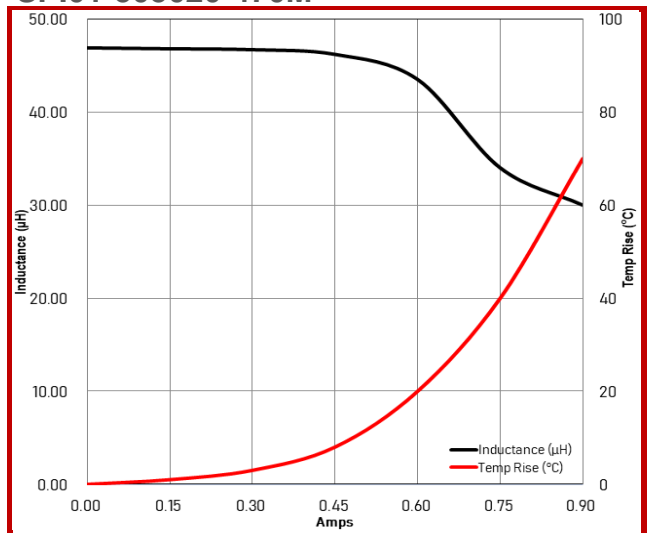
SPI01-505020-220M



SPI01-505020-330M



SPI01-505020-470M

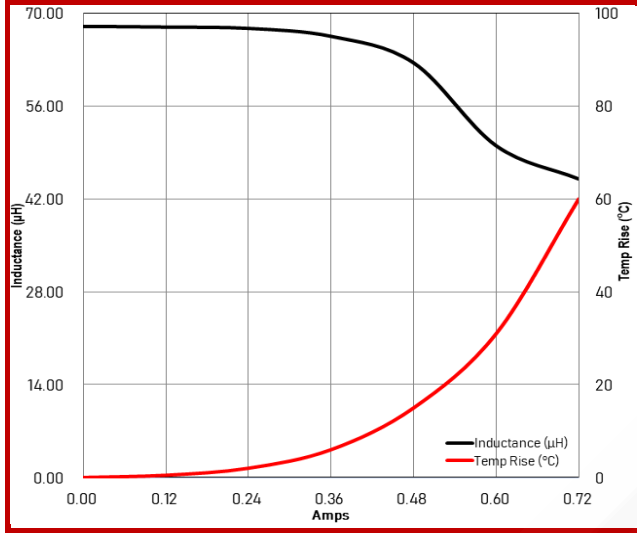




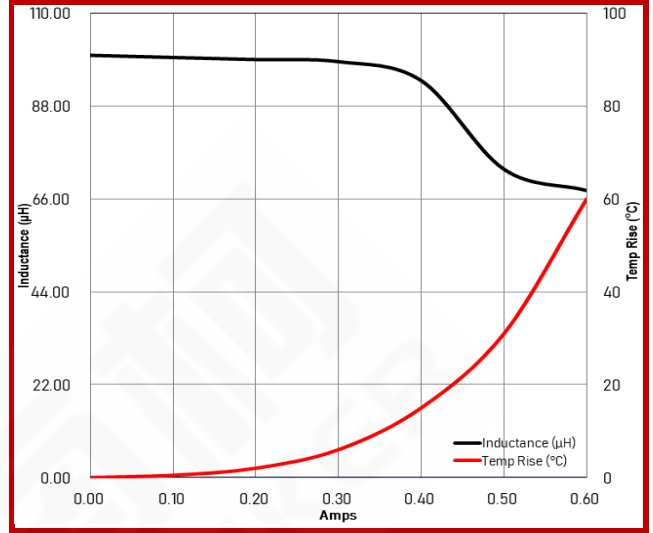
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

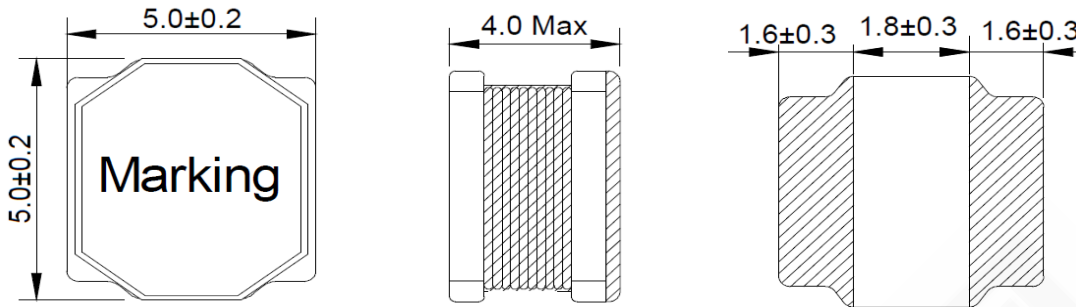
SPI01-505020-680M



SPI01-505020-101M



尺寸 Dimension (mm)



焊盘推荐 Land Pattern Recommended (mm)

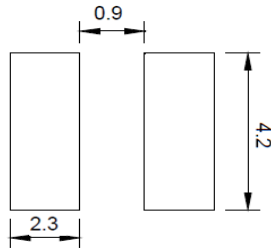


示意图 Schematics



电性特性 Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r max 40°C (A)	直流电阻 DC Resistance DCR ±30% (Ω)	饱和电流 Saturation Current I _{sat} max (A)	卷盘数量 Taping Reel Qty. pcs
SPI01-505040-1R0N	1.00 ±30%	4.90	0.120	7.35	1,500
SPI01-505040-1R2N	1.20 ±30%	4.15	0.016	6.50	1,500
SPI01-505040-1R5N	1.50 ±30%	4.00	0.018	6.30	1,500
SPI01-505040-2R2N	2.20 ±30%	3.80	0.019	4.90	1,500
SPI01-505040-3R3M	3.30 ±20%	3.40	0.024	3.95	1,500
SPI01-505040-4R7M	4.70 ±20%	3.00	0.032	2.90	1,500
SPI01-505040-6R8M	6.80 ±20%	2.50	0.043	2.35	1,500
SPI01-505040-100M	10.00 ±20%	2.10	0.064	2.00	1,500
SPI01-505040-150M	15.00 ±20%	2.00	0.086	1.60	1,500
SPI01-505040-220M	22.00 ±20%	1.50	0.129	1.30	1,500

测试状态

Test Condition

☆ 电感测试条件为 1.0MHz / 1.0V

Inductance measure condition at 1.0MHz / 1.0V

☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

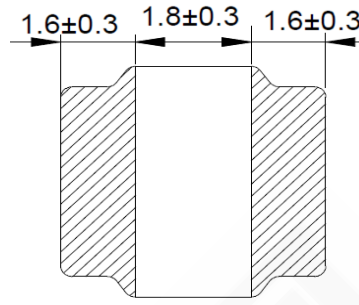
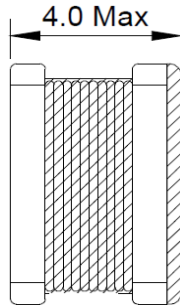
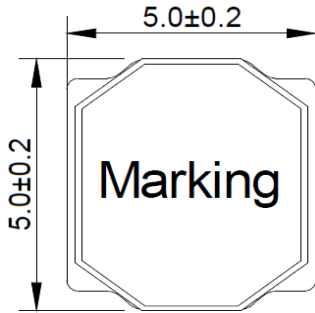
☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值

Saturation Current: The actual value of DC current when the inductance drop 30% of initial value



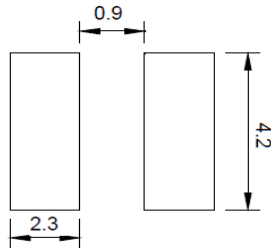
尺寸

Dimension (mm)



焊盘推荐

Land Pattern Recommended (mm)



示意图

Schematics



电性特性

Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r max 40°C (A)	直流电阻 DC Resistance DCR ±30% (Ω)	饱和电流 Saturation Current I _{sat} max (A)	卷盘数量 Taping Reel Qty. pcs
SPI01-505040-330N	33.00 ±20%	1.20	0.188	1.30	1,500
SPI01-505040-470N	47.00 ±20%	1.00	0.272	1.10	1,500
SPI01-505040-680N	68.00 ±20%	0.80	0.400	0.90	1,500
SPI01-505040-101N	100.00 ±20%	0.70	0.560	0.75	1,500
SPI01-505040-151M	150.00 ±20%	0.60	0.750	0.65	1,500
SPI01-505040-181M	180.00 ±20%	0.48	1.200	0.60	1,500
SPI01-505040-221M	220.00 ±20%	0.40	1.280	0.48	1,500
SPI01-505040-331M	330.00 ±20%	0.36	2.100	0.42	1,500
SPI01-505040-471M	470.00 ±20%	0.35	3.000	0.37	1,500

测试状态

Test Condition

☆ 电感测试条件为 1.0MHz / 1.0V

Inductance measure condition at 1.0MHz / 1.0V

☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值

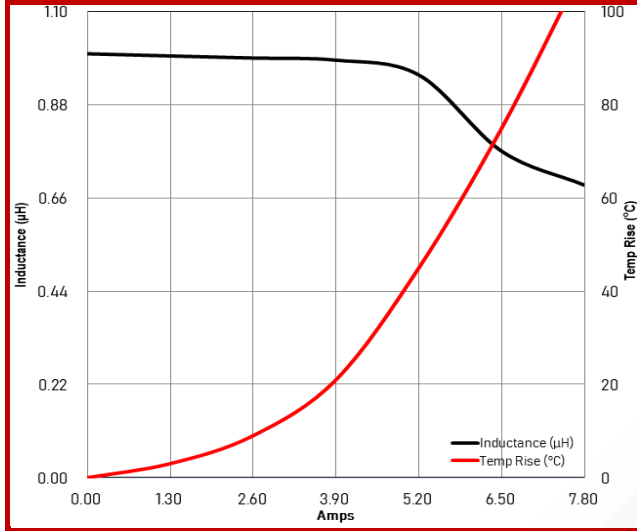
Saturation Current: The actual value of DC current when the inductance drop 30% of initial value



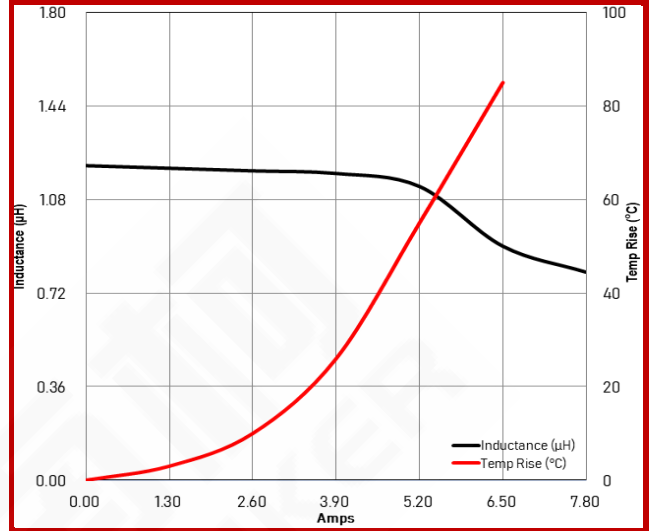
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

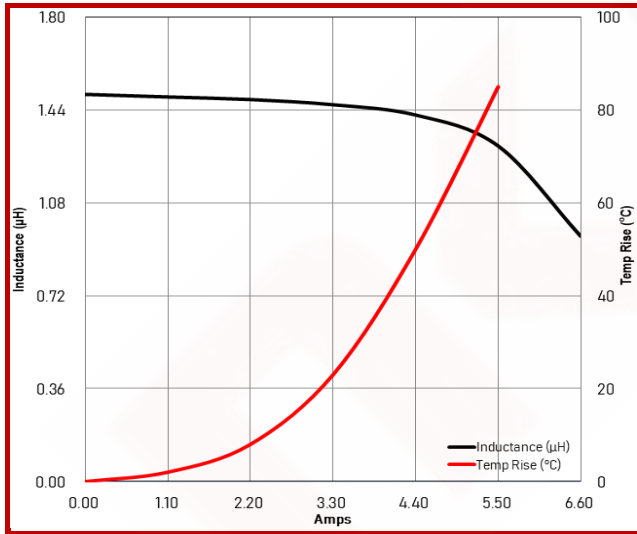
SPI01-505040-1R0N



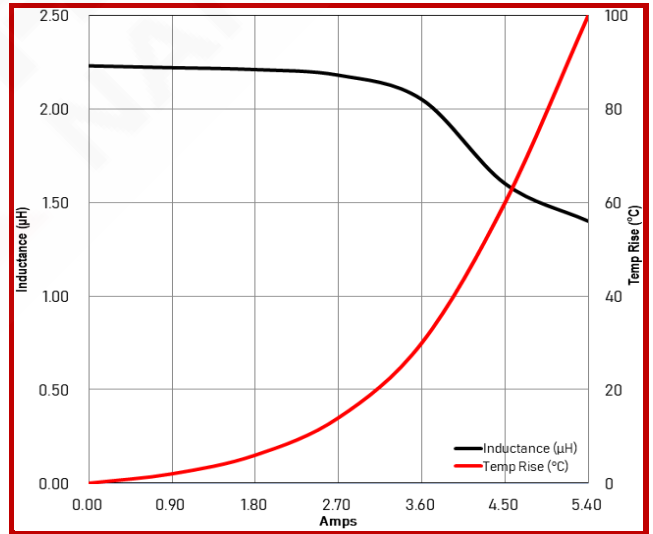
SPI01-505040-1R2N



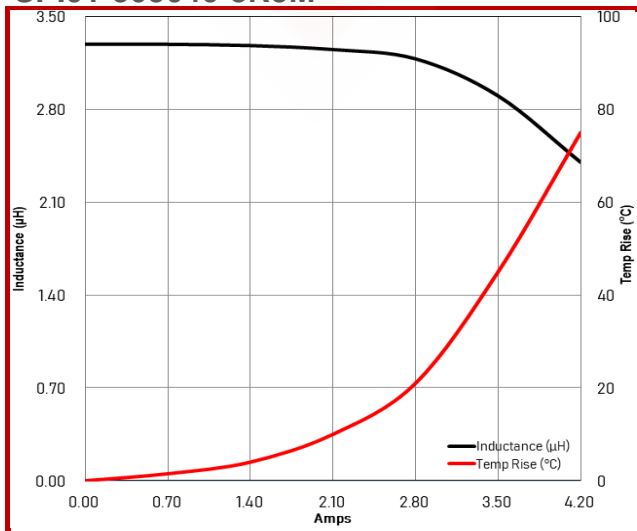
SPI01-505040-1R5N



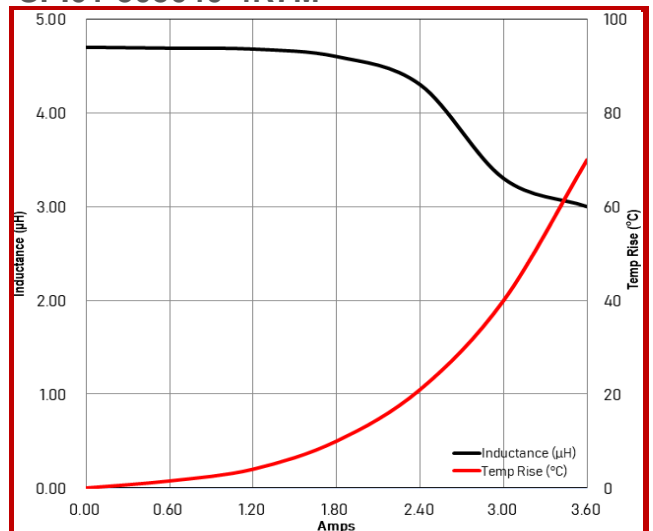
SPI01-505040-2R2N



SPI01-505040-3R3M



SPI01-505040-4R7M

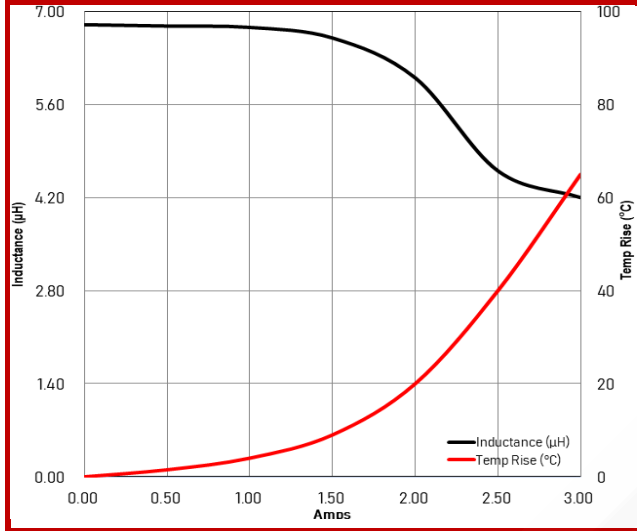




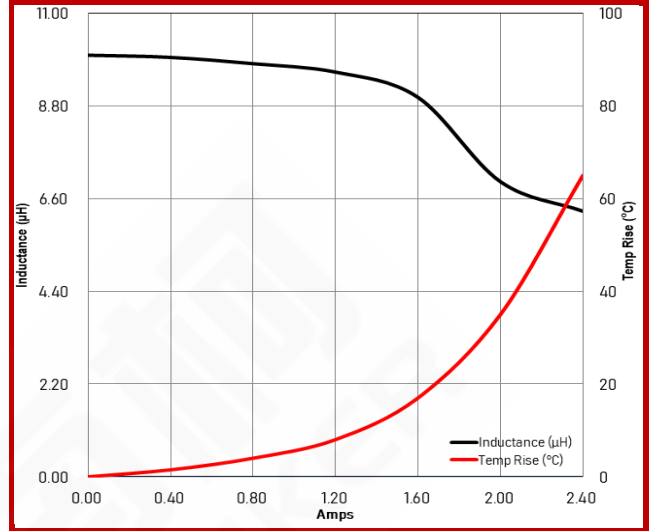
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

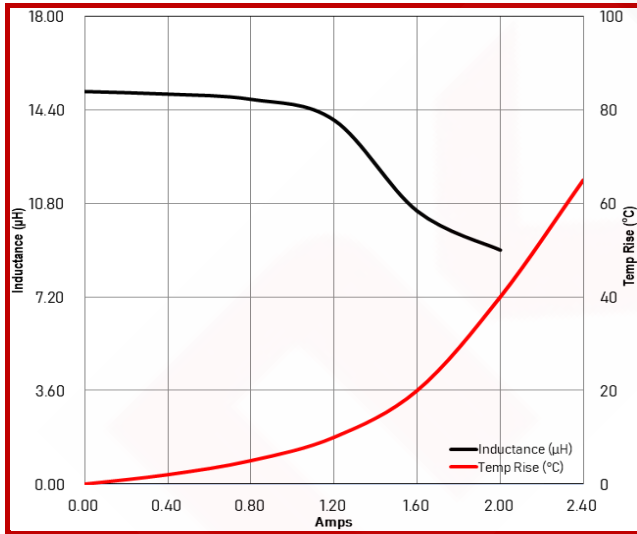
SPI01-505040-6R8M



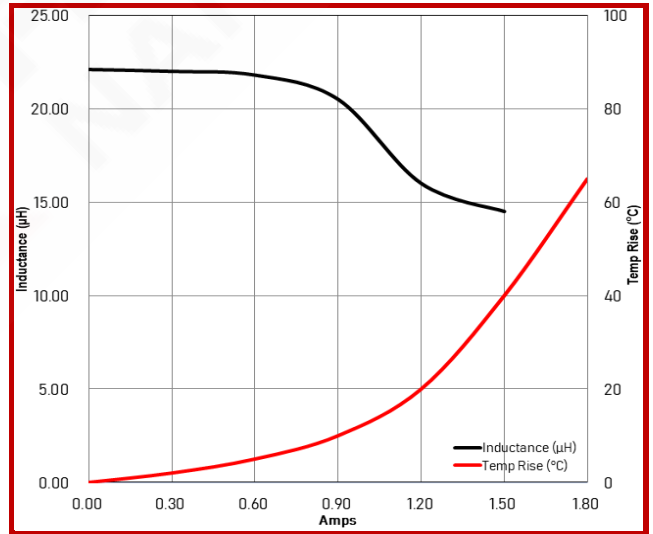
SPI01-505040-100M



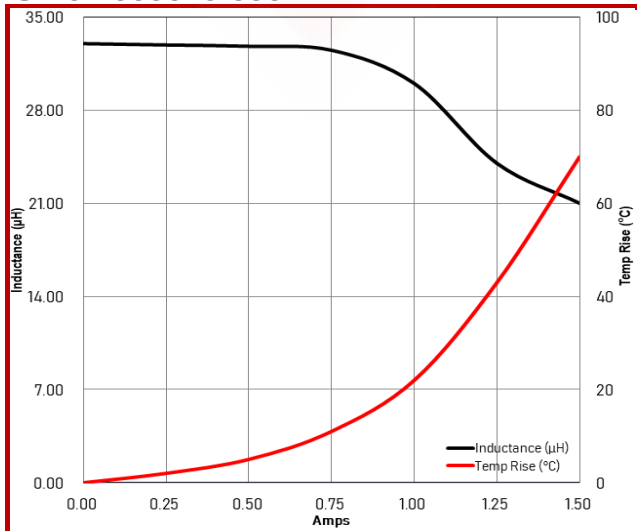
SPI01-505040-150M



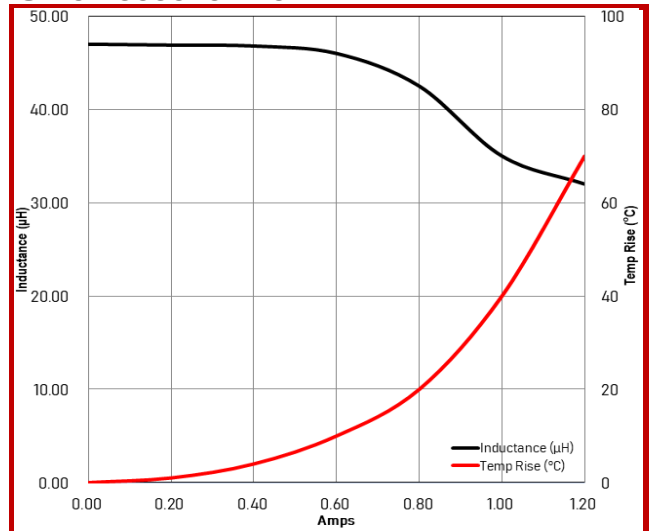
SPI01-505040-220M



SPI01-505040-330N



SPI01-505040-470N

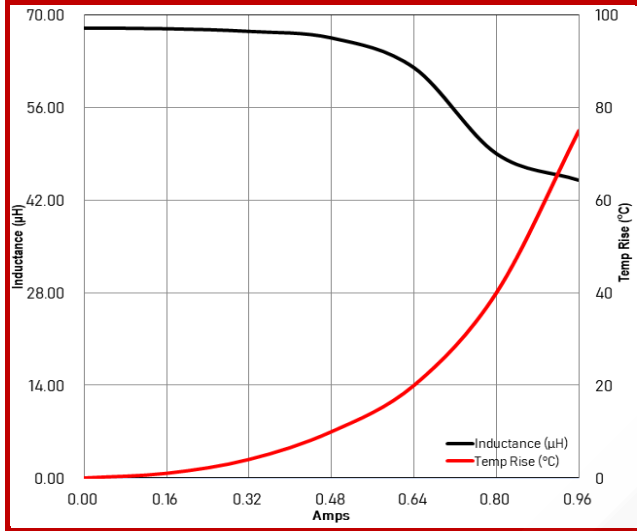




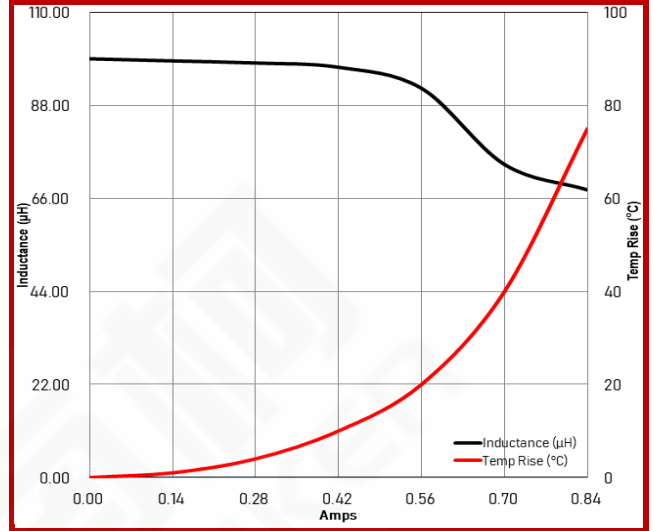
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

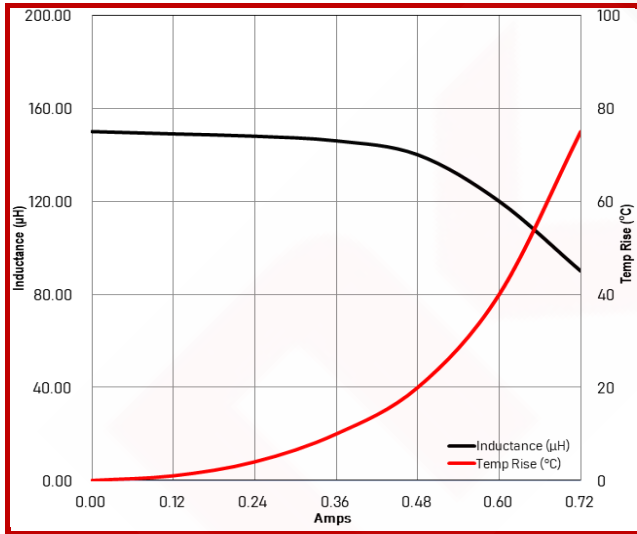
SPI01-505040-680N



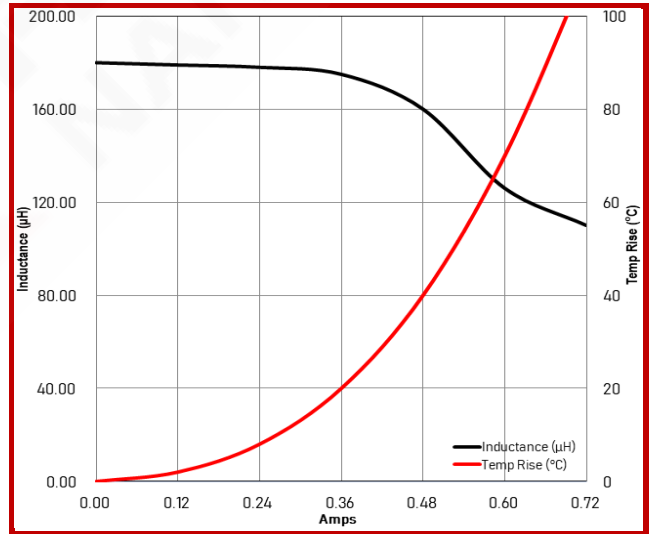
SPI01-505040-101N



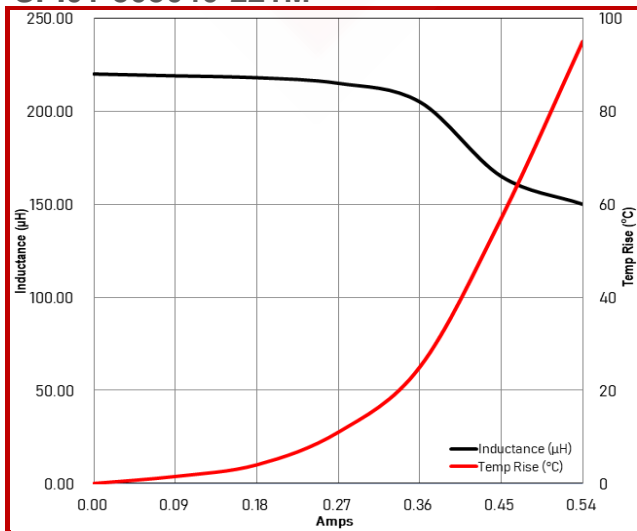
SPI01-505040-151M



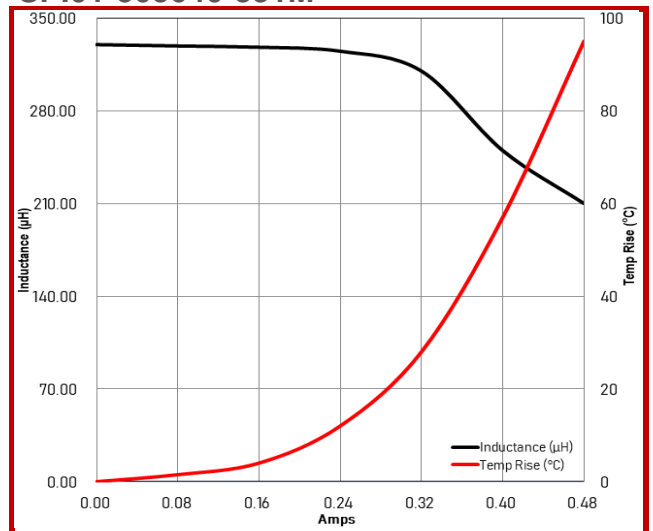
SPI01-505040-181M



SPI01-505040-221M



SPI01-505040-331M

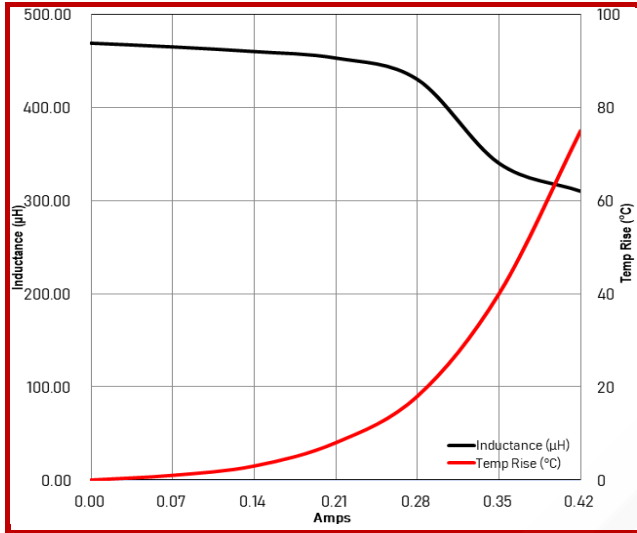




饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

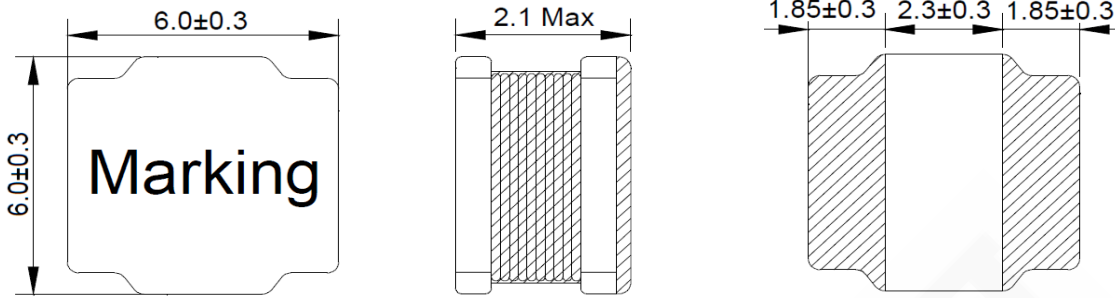
SPI01-505040-471M





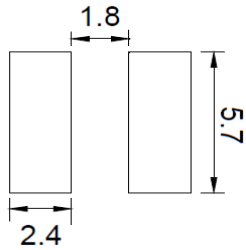
尺寸

Dimension (mm)



焊盘推荐

Land Pattern Recommended (mm)



示意图

Schematics



电性特性

Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r max 40°C (A)	直流电阻 DC Resistance DCR ±30% (Ω)	饱和电流 Saturation Current I _{sat} max (A)	卷盘数量 Taping Reel Qty. pcs
SPI01-606020-1R0N	1.00 ±30%	3.50	0.020	4.15	2,500
SPI01-606020-1R5N	1.50 ±30%	3.20	0.220	4.25	2,500
SPI01-606020-2R2N	2.20 ±30%	2.75	0.280	3.75	2,500
SPI01-606020-3R3M	3.30 ±20%	2.60	0.350	3.15	2,500
SPI01-606020-4R7M	4.70 ±20%	2.00	0.580	3.00	2,500
SPI01-606020-6R8M	6.80 ±20%	1.80	0.790	2.20	2,500
SPI01-606020-100M	10.00 ±20%	1.40	0.105	1.75	2,500
SPI01-606020-150M	15.00 ±20%	1.20	0.145	1.20	2,500
SPI01-606020-180M	18.00 ±20%	1.08	0.180	1.20	2,500
SPI01-606020-220M	22.00 ±20%	1.00	0.204	1.05	2,500
SPI01-606020-330M	33.00 ±20%	0.84	0.300	0.95	2,500
SPI01-606020-470M	47.00 ±20%	0.80	0.430	0.70	2,500
SPI01-606020-101M	100.00 ±20%	0.40	1.100	0.40	2,500

测试状态

Test Condition

☆ 电感测试条件为 1.0MHz / 1.0V

Inductance measure condition at 1.0MHz / 1.0V

☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值

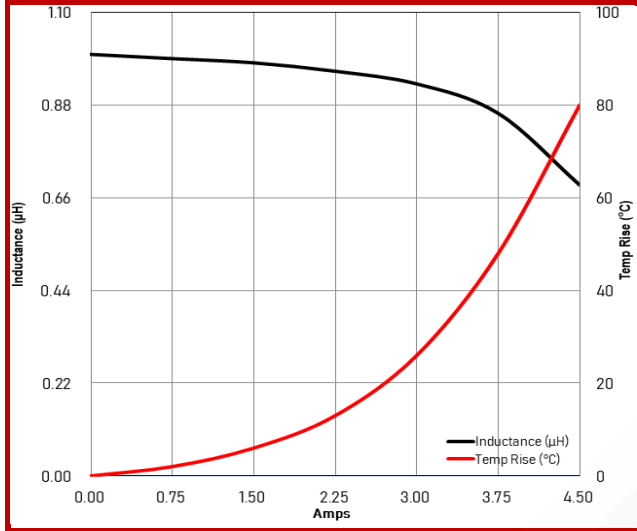
Saturation Current: The actual value of DC current when the inductance drop 30% of initial value



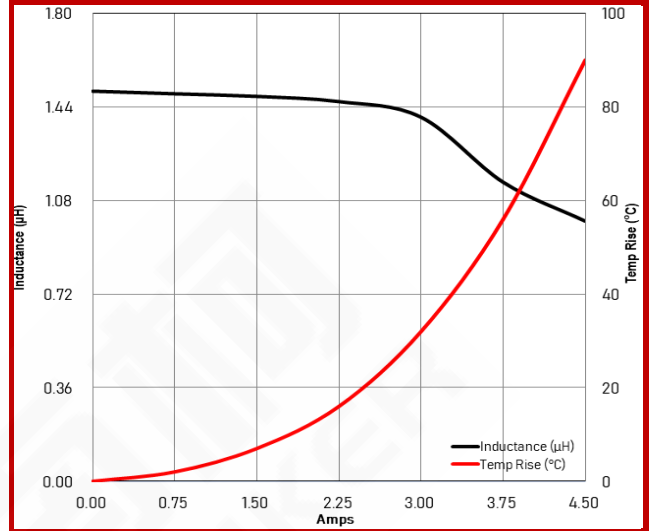
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

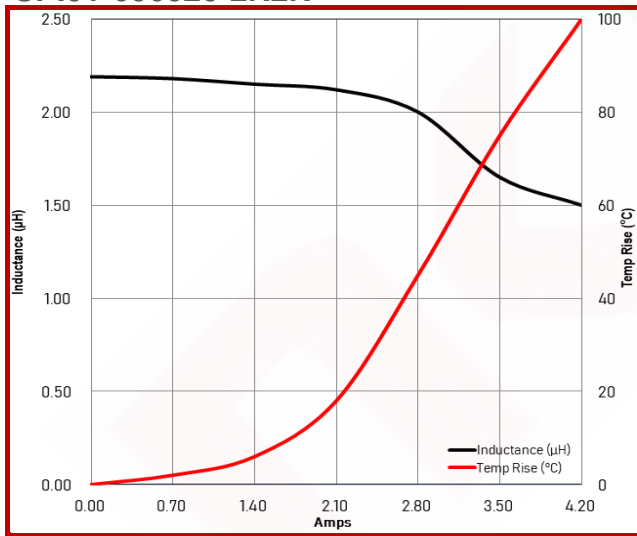
SPI01-606020-1R0N



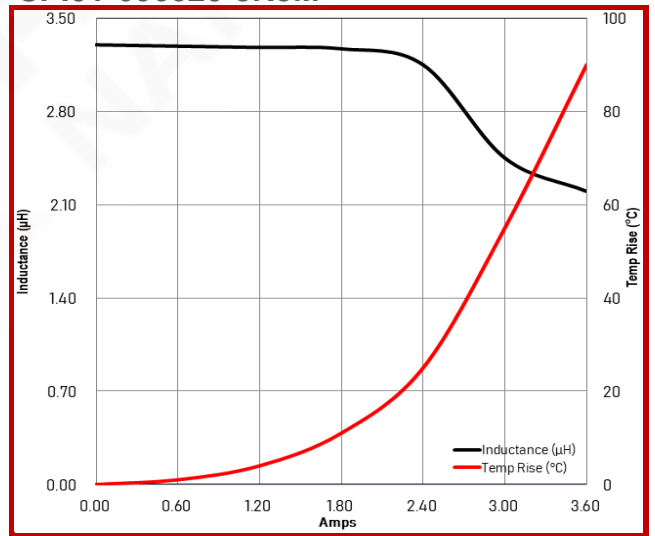
SPI01-606020-1R5N



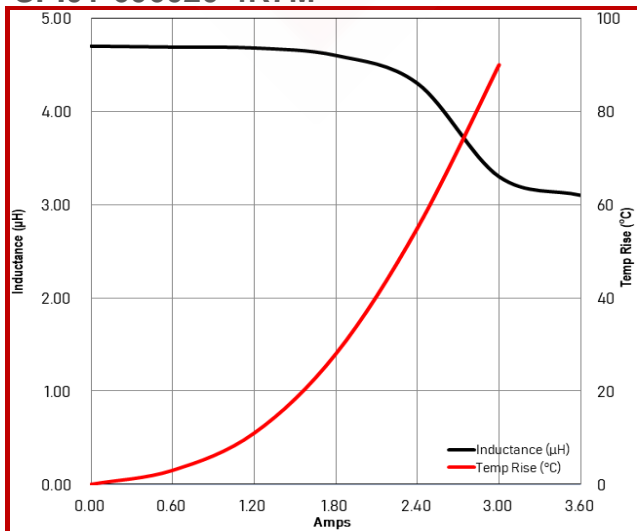
SPI01-606020-2R2N



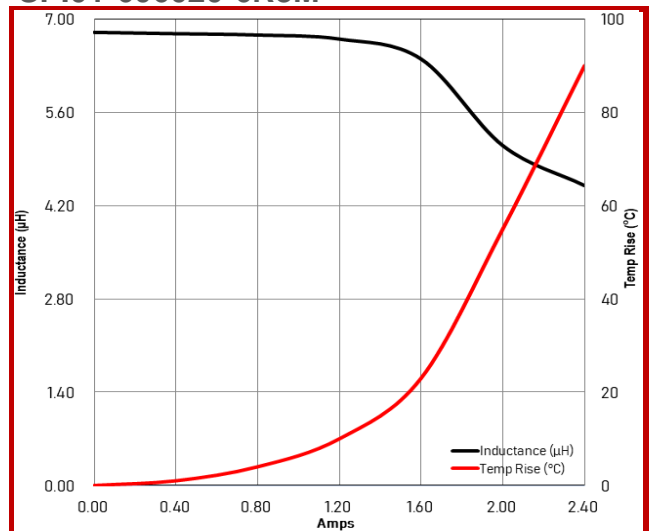
SPI01-606020-3R3M



SPI01-606020-4R7M



SPI01-606020-6R8M

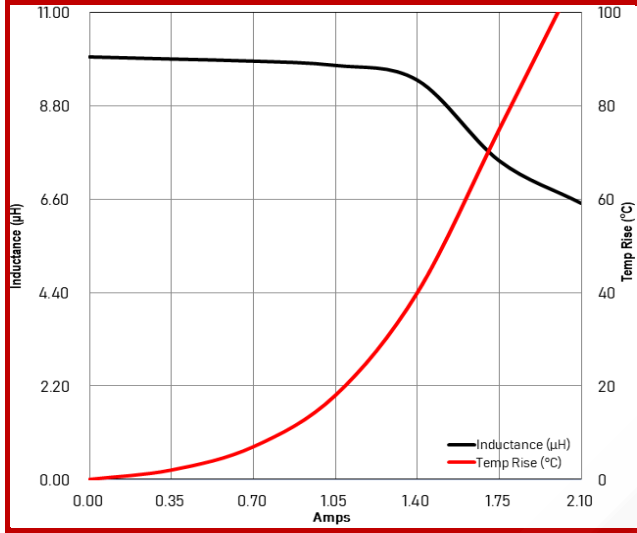




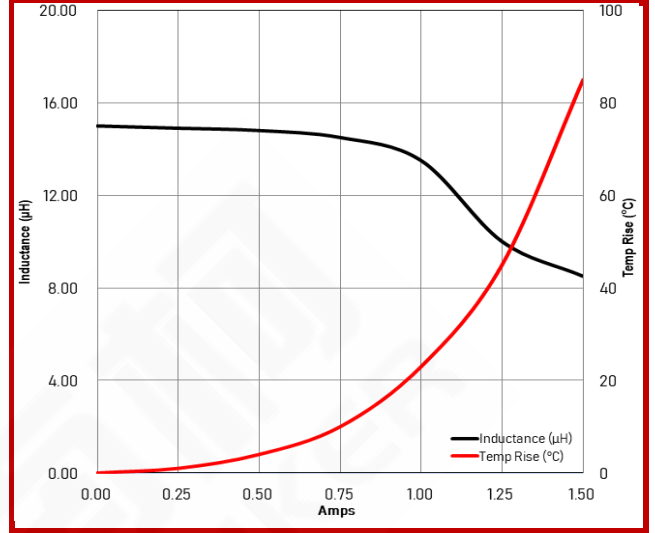
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

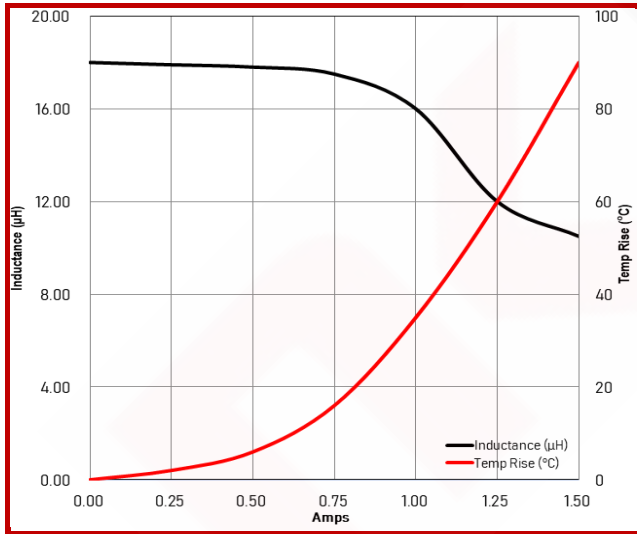
SPI01-606020-100M



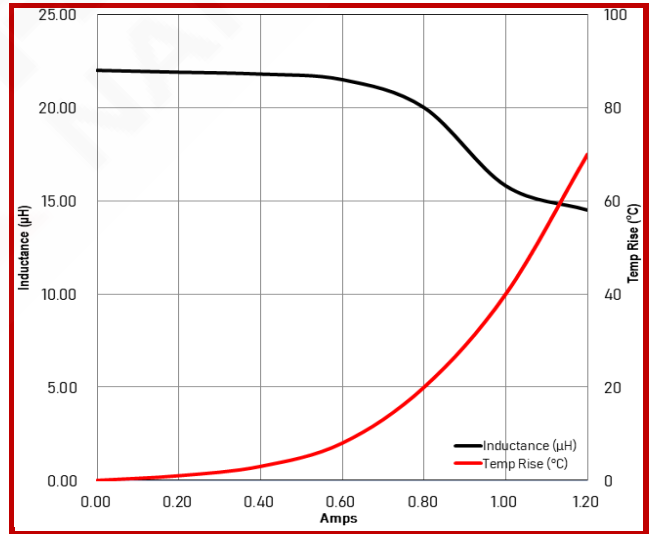
SPI01-606020-150M



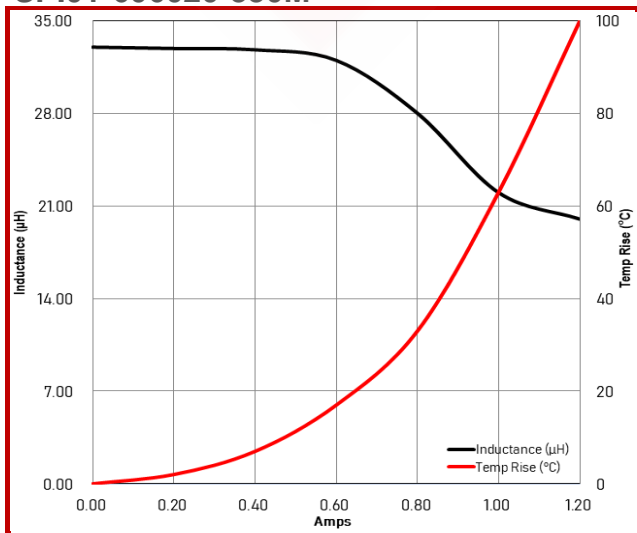
SPI01-606020-180M



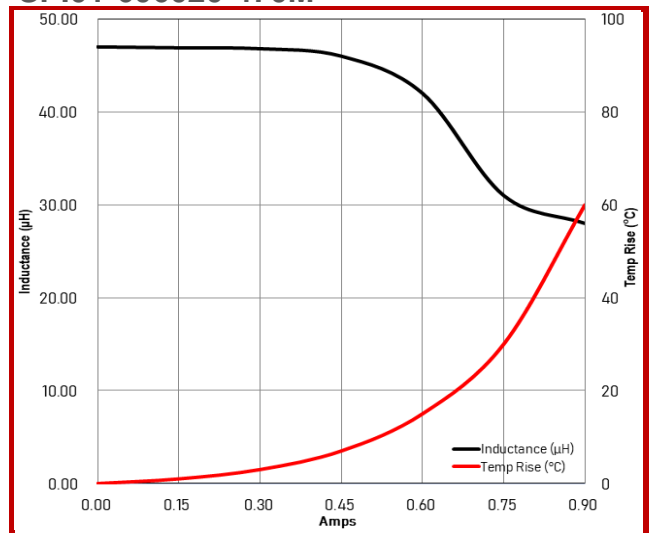
SPI01-606020-220M



SPI01-606020-330M



SPI01-606020-470M

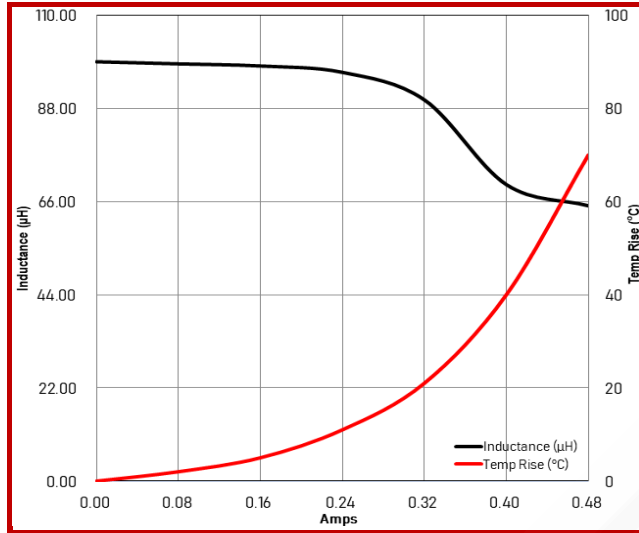




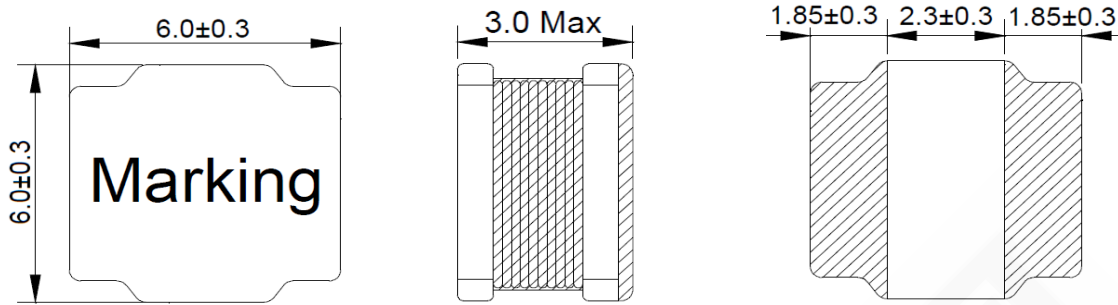
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

SPI01-606020-101M



尺寸 Dimension (mm)



焊盘推荐 Land Pattern Recommended (mm)

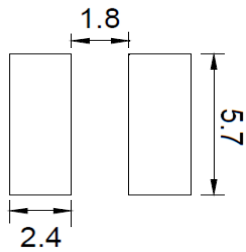


示意图 Schematics



电性特性 Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r max 40°C (A)	直流电阻 DC Resistance DCR ±30% (Ω)	饱和电流 Saturation Current I _{sat} max (A)	卷盘数量 Taping Reel Qty. pcs
SPI01-606028-1R0N	1.00 ±30%	5.20	0.013	5.75	2,000
SPI01-606028-1R5N	1.50 ±30%	4.58	0.015	6.00	2,000
SPI01-606028-2R2N	2.20 ±30%	3.75	0.020	5.10	2,000
SPI01-606028-3R3M	3.30 ±20%	3.48	0.025	4.15	2,000
SPI01-606028-4R7M	4.70 ±20%	3.08	0.030	3.00	2,000
SPI01-606028-6R8M	6.80 ±20%	2.40	0.047	2.60	2,000
SPI01-606028-100M	10.00 ±20%	1.95	0.072	2.04	2,000
SPI01-606028-150M	15.00 ±20%	1.45	0.125	1.75	2,000
SPI01-606028-180M	18.00 ±20%	1.45	0.120	1.52	2,000

测试状态

Test Condition

☆ 电感测试条件为 1.0MHz / 1.0V

Inductance measure condition at 1.0MHz / 1.0V

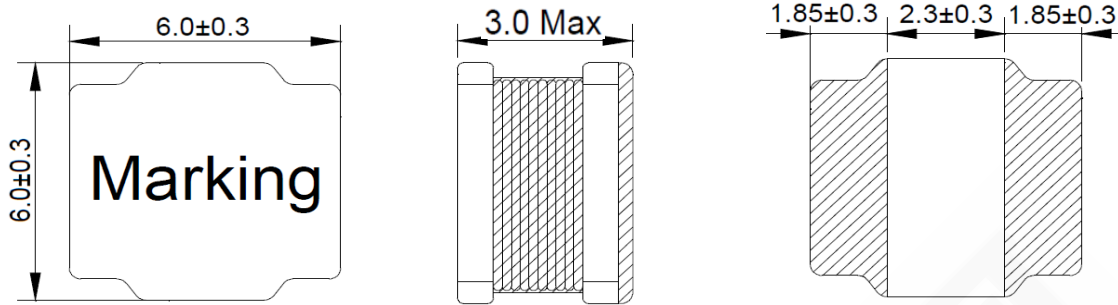
☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值

Saturation Current: The actual value of DC current when the inductance drop 30% of initial value

尺寸 Dimension (mm)



焊盘推荐 Land Pattern Recommended (mm)

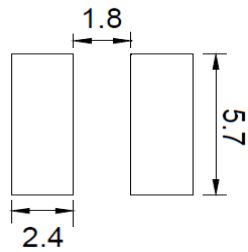


示意图 Schematics



电性特性 Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r max 40°C (A)	直流电阻 DC Resistance DCR ±30% (Ω)	饱和电流 Saturation Current I _{sat} max (A)	卷盘数量 Taping Reel Qty. pcs
SPI01-606028-220M	22.00 ±20%	1.40	0.140	1.45	2,000
SPI01-606028-330M	33.00 ±20%	1.22	0.185	1.35	2,000
SPI01-606028-470M	47.00 ±20%	1.06	0.315	1.15	2,000
SPI01-606028-680M	68.00 ±20%	0.86	0.360	0.80	2,000
SPI01-606028-820M	82.00 ±20%	0.70	0.500	0.80	2,000
SPI01-606028-101M	100.00 ±20%	0.70	0.500	0.65	2,000
SPI01-606028-150M	150.00 ±20%	0.50	1.000	0.50	2,000
SPI01-606028-221M	220.00 ±20%	0.45	1.250	0.45	2,000
SPI01-606028-331M	330.00 ±20%	0.38	1.900	0.35	2,000

测试状态

Test Condition

☆ 电感测试条件为 1.0MHz / 1.0V

Inductance measure condition at 1.0MHz / 1.0V

☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值

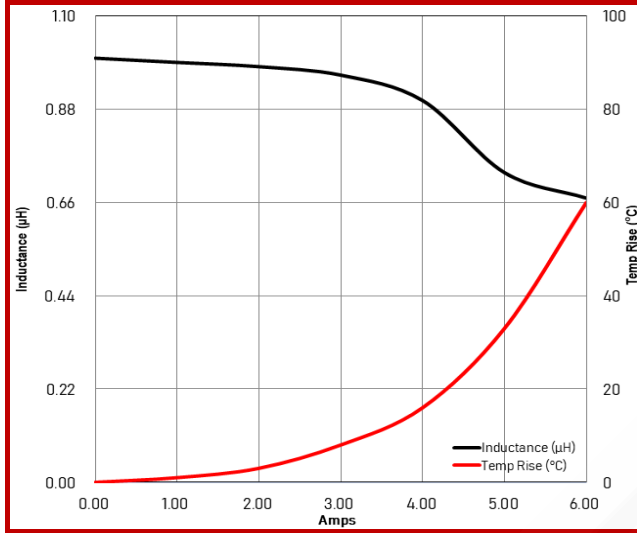
Saturation Current: The actual value of DC current when the inductance drop 30% of initial value



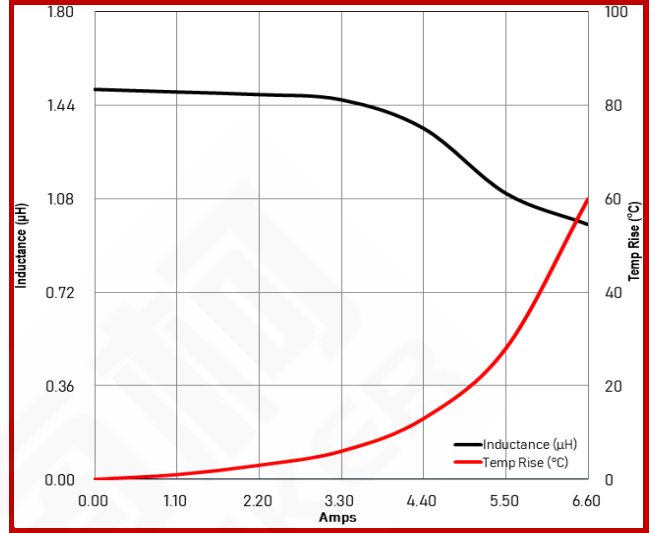
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

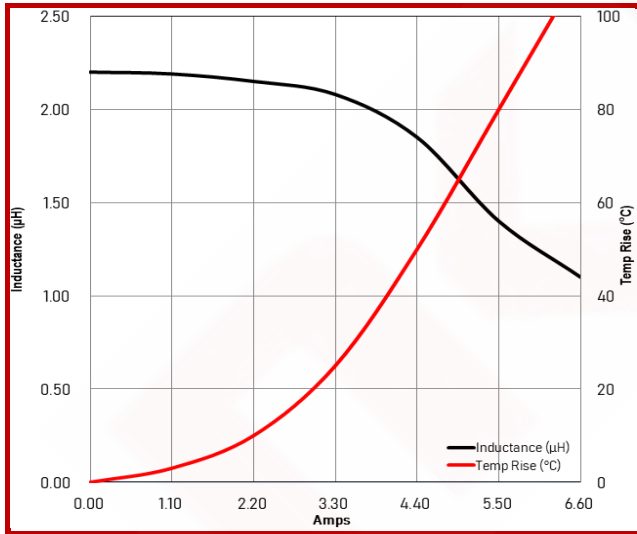
SPI01-606028-1R0N



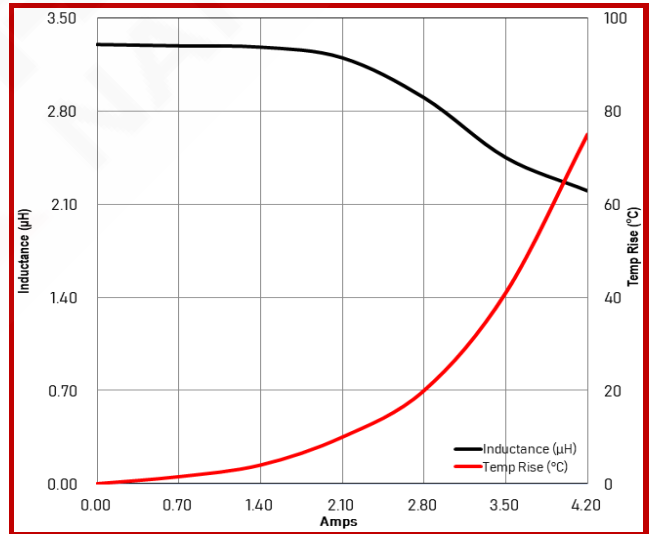
SPI01-606028-1R5N



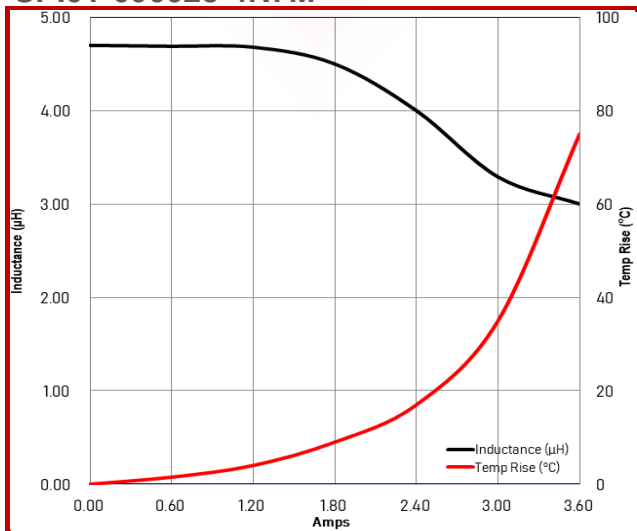
SPI01-606028-2R2N



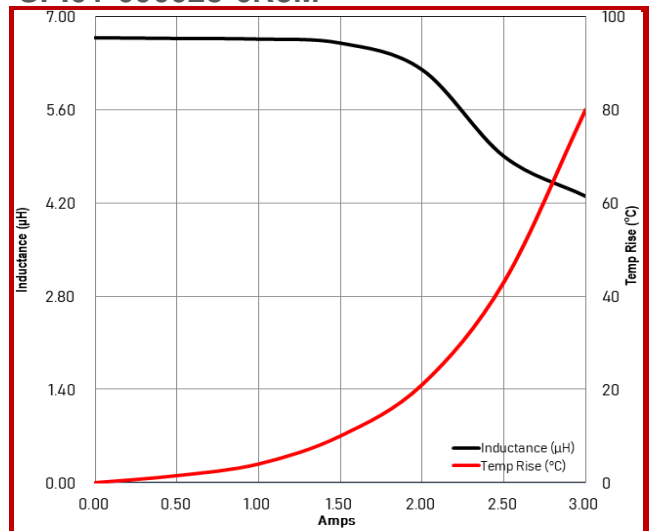
SPI01-606028-3R3M



SPI01-606028-4R7M



SPI01-606028-6R8M

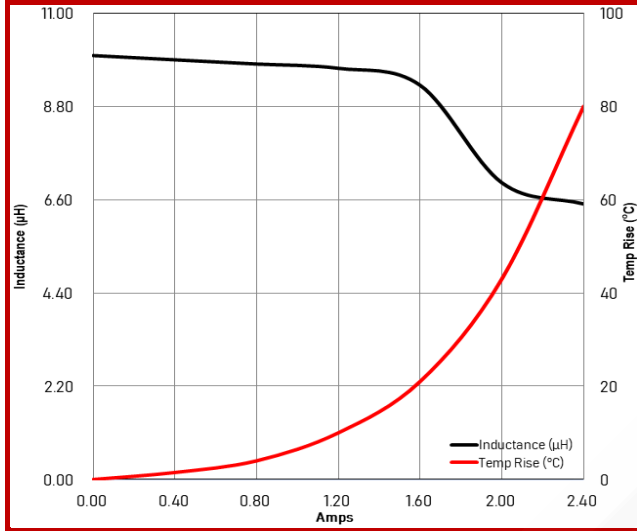




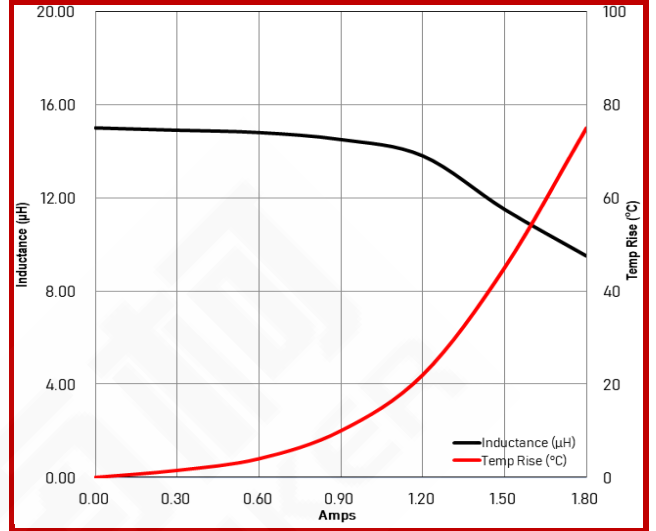
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

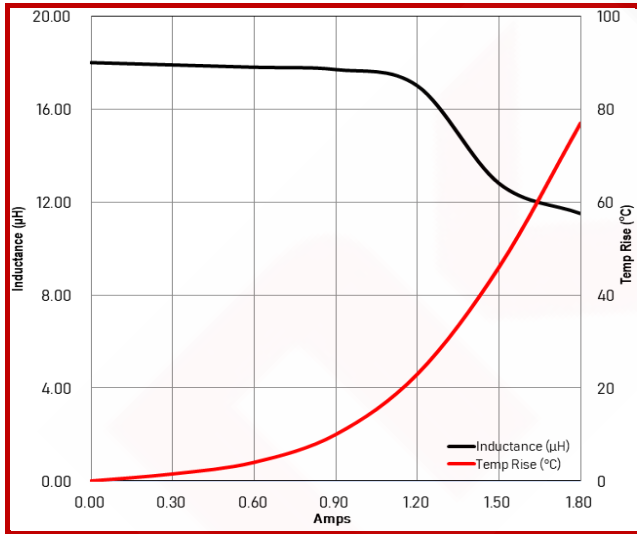
SPI01-606028-100M



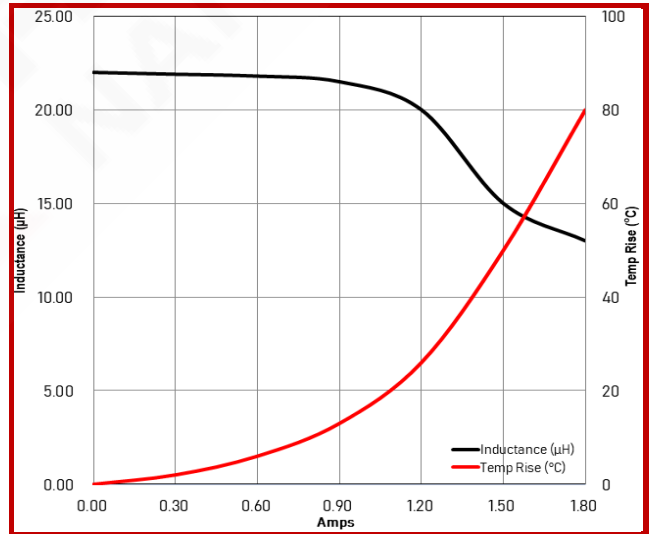
SPI01-606028-150M



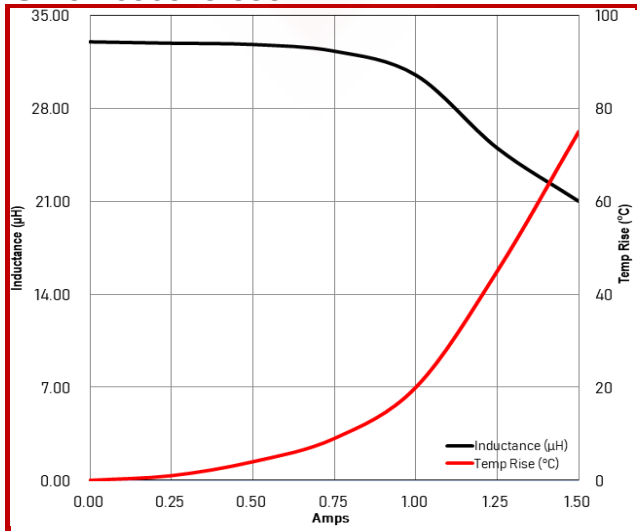
SPI01-606028-180M



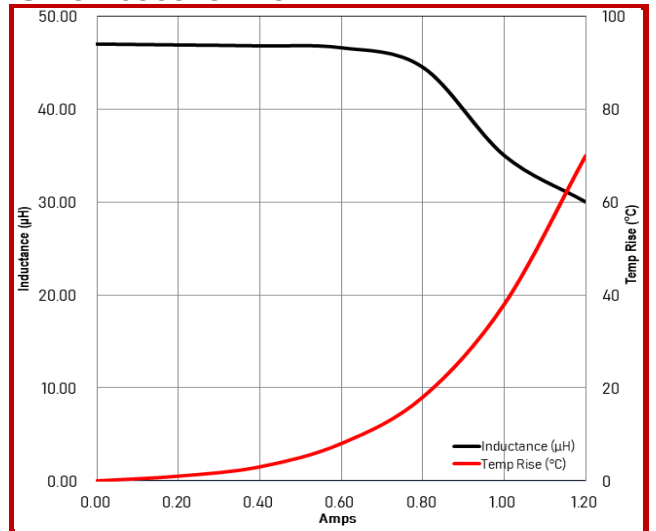
SPI01-606028-220M



SPI01-606028-330M



SPI01-606028-470M

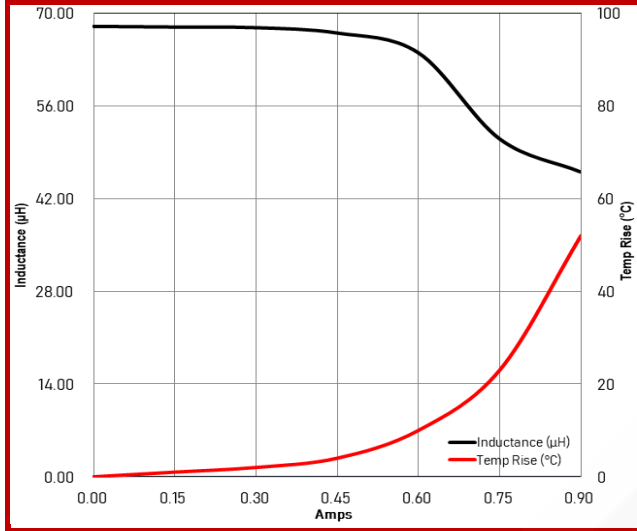




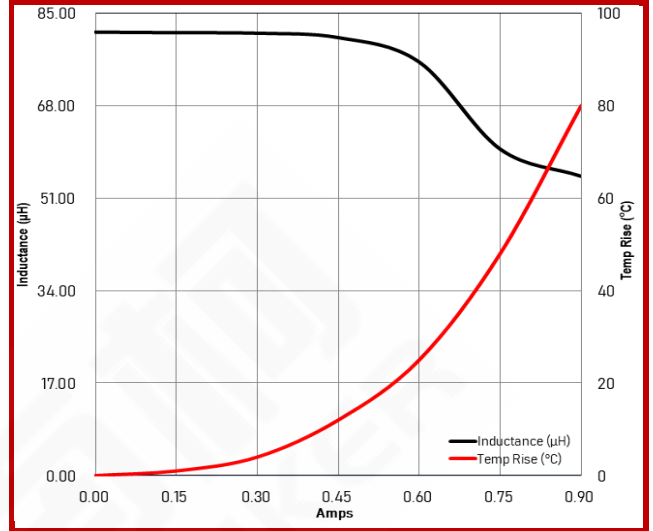
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

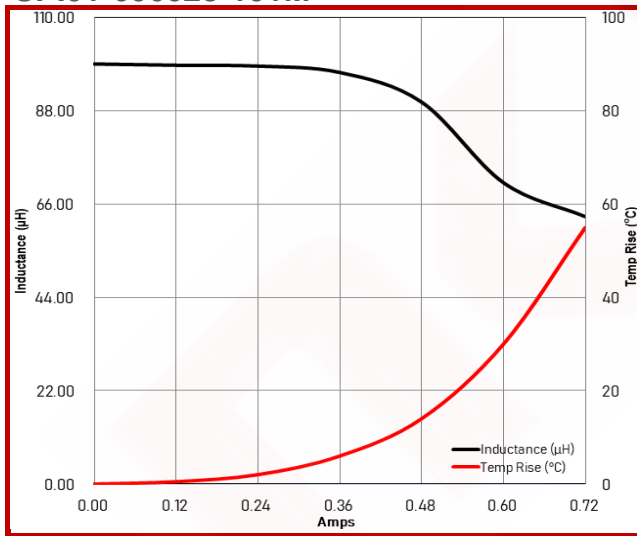
SPI01-606028-680M



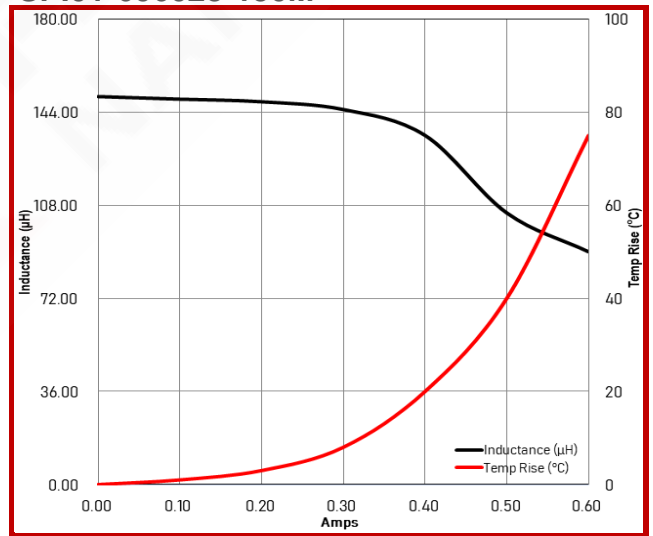
SPI01-606028-820M



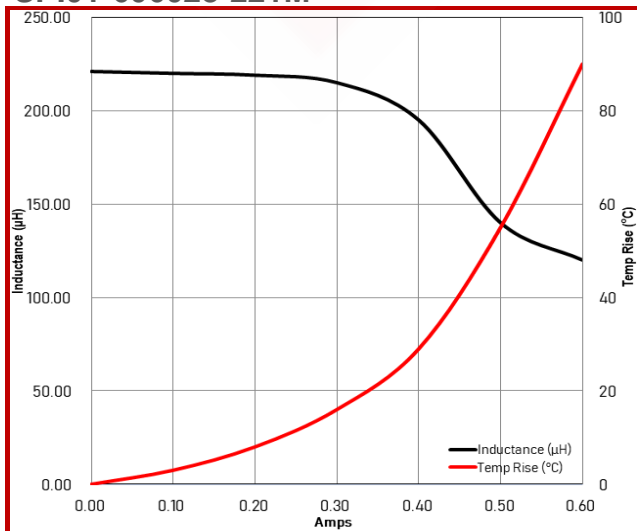
SPI01-606028-101M



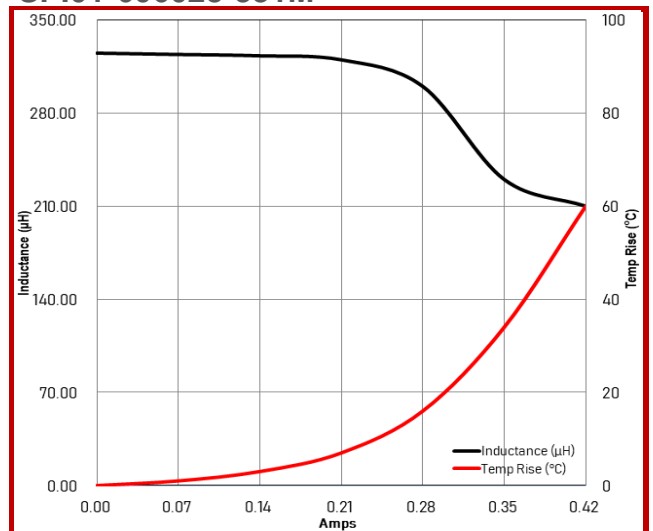
SPI01-606028-150M



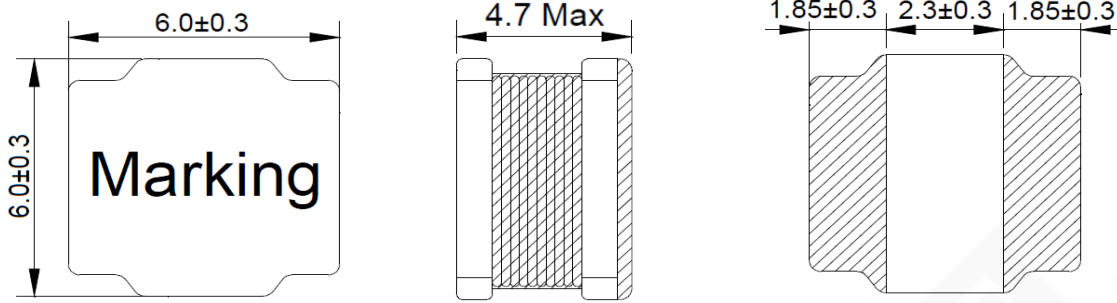
SPI01-606028-221M



SPI01-606028-331M



尺寸 Dimension (mm)



焊盘推荐 Land Pattern Recommended (mm)

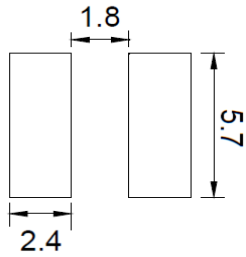


示意图 Schematics



电性特性 Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r max 40°C (A)	直流电阻 DC Resistance DCR ±30% (Ω)	饱和电流 Saturation Current I _{sat} max (A)	卷盘数量 Taping Reel Qty. pcs
SPI01-606045-1R0N	1.00 ±30%	5.14	0.011	9.85	1,500
SPI01-606045-1R5N	1.50 ±30%	4.95	0.012	8.80	1,500
SPI01-606045-2R2N	2.20 ±30%	4.60	0.014	6.75	1,500
SPI01-606045-3R3M	3.30 ±20%	3.70	0.024	5.90	1,500
SPI01-606045-4R7M	4.70 ±20%	3.30	0.031	4.97	1,500
SPI01-606045-6R8M	6.80 ±20%	2.45	0.035	3.90	1,500
SPI01-606045-100M	10.00 ±20%	2.05	0.048	3.20	1,500
SPI01-606045-150M	15.00 ±20%	1.80	0.068	2.50	1,500
SPI01-606045-220M	22.00 ±20%	1.45	0.089	2.05	1,500
SPI01-606045-330M	33.00 ±20%	1.20	0.137	1.65	1,500

测试状态

Test Condition

☆ 电感测试条件为 1.0MHz / 1.0V

Inductance measure condition at 1.0MHz / 1.0V

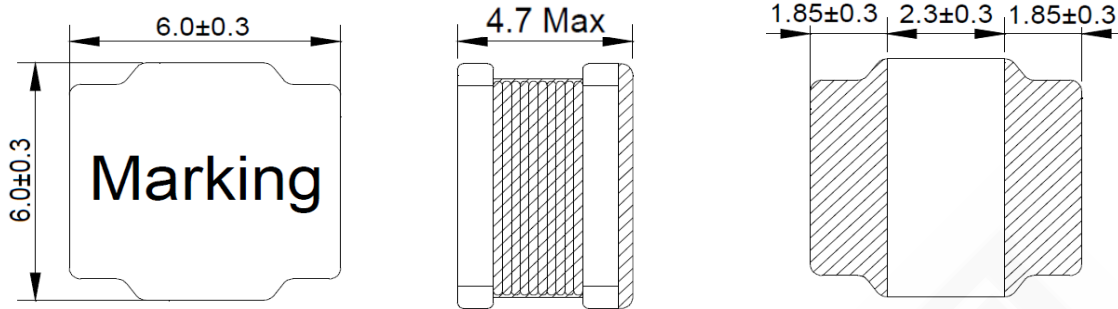
☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值

Saturation Current: The actual value of DC current when the inductance drop 30% of initial value

尺寸 Dimension (mm)



焊盘推荐 Land Pattern Recommended (mm)

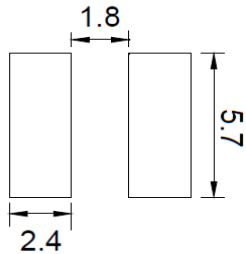


示意图 Schematics



电性特性 Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r max 40°C (A)	直流电阻 DC Resistance DCR ±30% (Ω)	饱和电流 Saturation Current I _{sat} max (A)	卷盘数量 Taping Reel Qty. pcs
SPI01-606045-470M	47.00 ±20%	1.20	0.200	1.40	1,500
SPI01-606045-680M	68.00 ±20%	1.00	0.289	1.20	1,500
SPI01-606045-820M	82.00 ±20%	0.90	0.400	1.05	1,500
SPI01-606045-101M	100.00 ±20%	0.80	0.433	0.95	1,500
SPI01-606045-121M	120.00 ±20%	0.77	0.484	0.85	1,500
SPI01-606045-151M	150.00 ±20%	0.70	0.580	0.80	1,500
SPI01-606045-221M	220.00 ±20%	0.59	0.834	0.70	1,500
SPI01-606045-331M	330.00 ±20%	0.57	1.270	0.57	1,500
SPI01-606045-471M	470.00 ±20%	0.42	1.800	0.50	1,500
SPI01-606045-681M	680.00 ±20%	0.33	2.500	0.42	1,500

测试状态

Test Condition

☆ 电感测试条件为 1.0MHz / 1.0V

Inductance measure condition at 1.0MHz / 1.0V

☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值

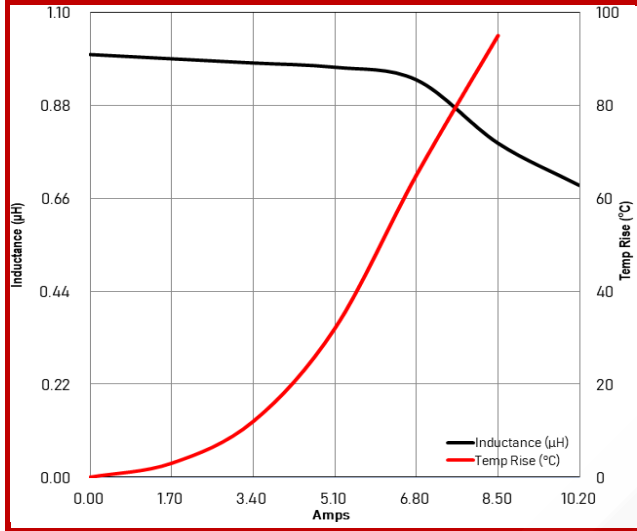
Saturation Current: The actual value of DC current when the inductance drop 30% of initial value



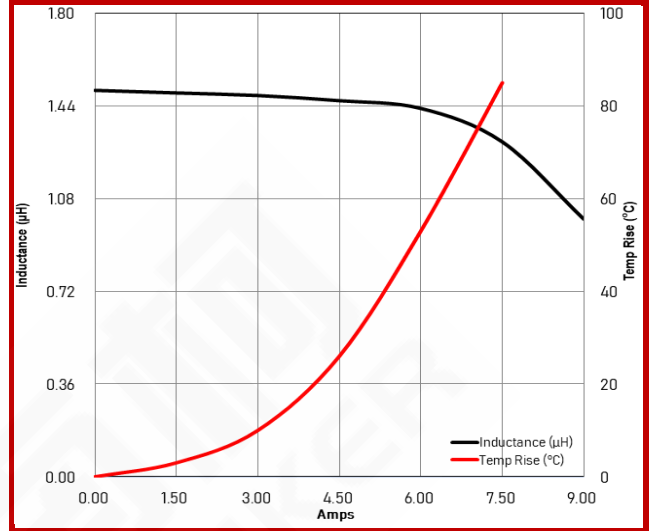
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

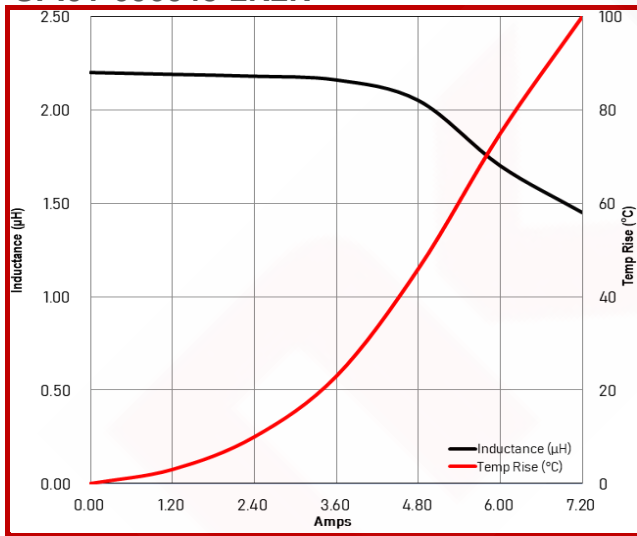
SPI01-606045-1R0N



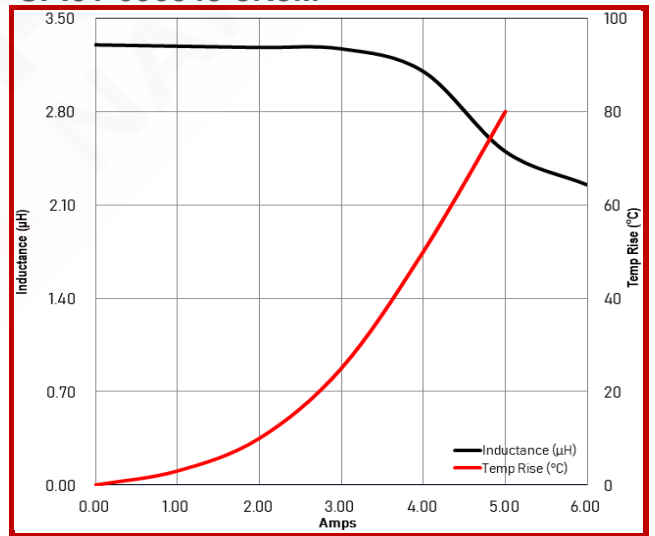
SPI01-606045-1R5N



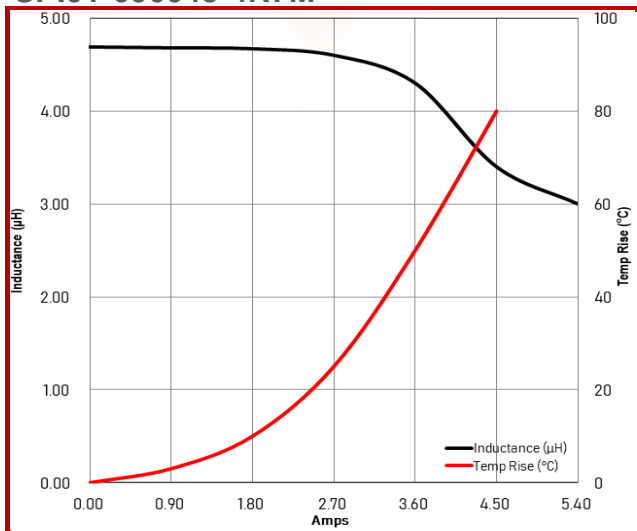
SPI01-606045-2R2N



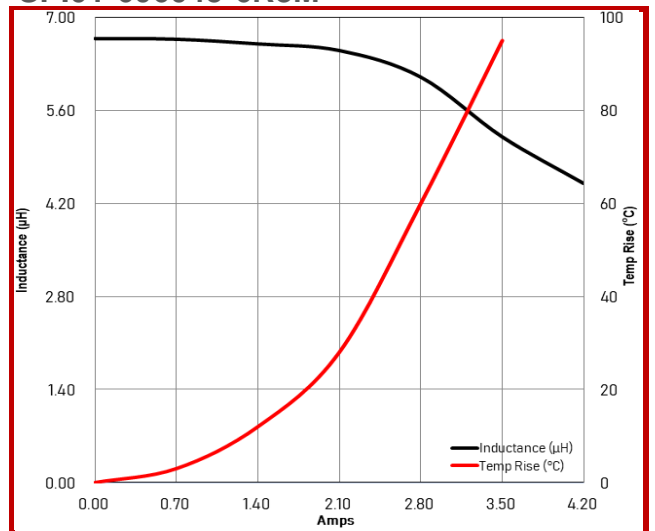
SPI01-606045-3R3M



SPI01-606045-4R7M



SPI01-606045-6R8M

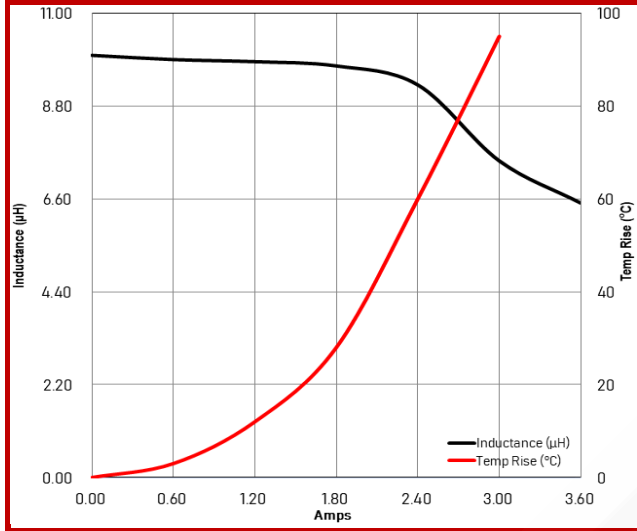




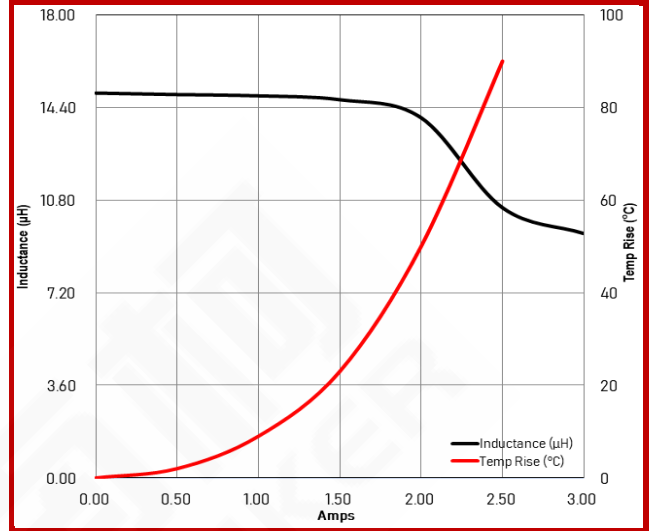
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

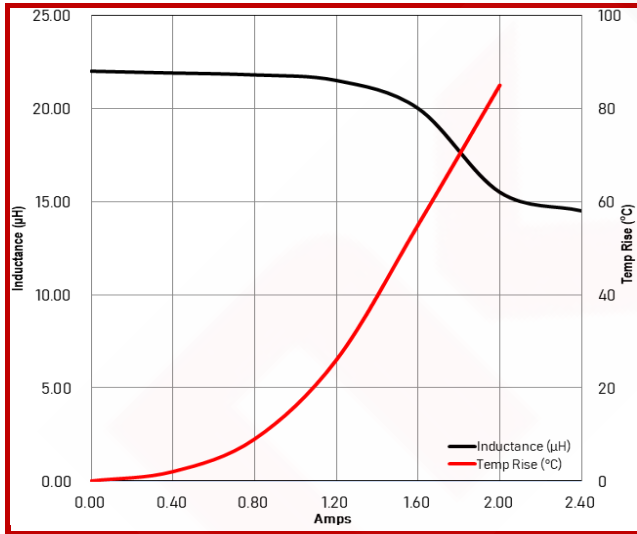
SPI01-606045-100M



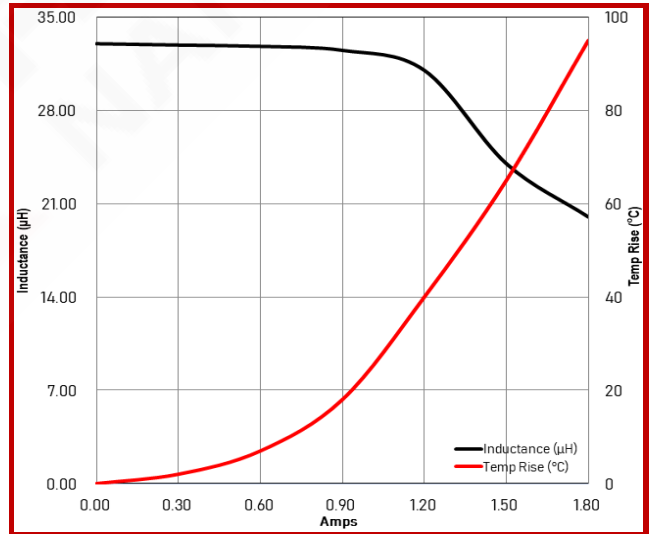
SPI01-606045-150M



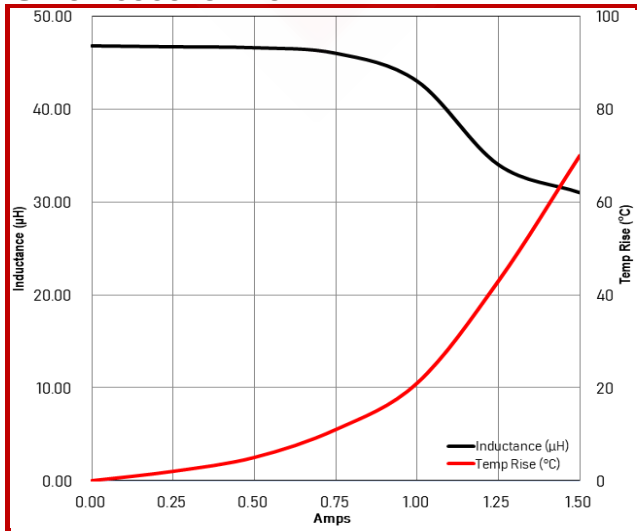
SPI01-606045-220M



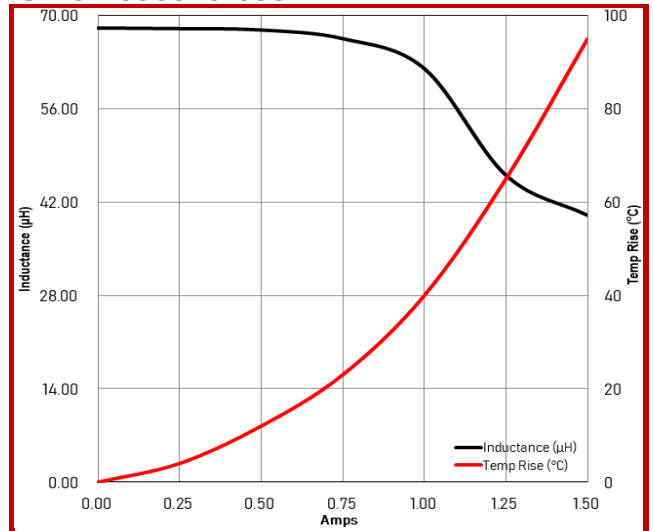
SPI01-606045-330M



SPI01-606045-470M



SPI01-606045-680M

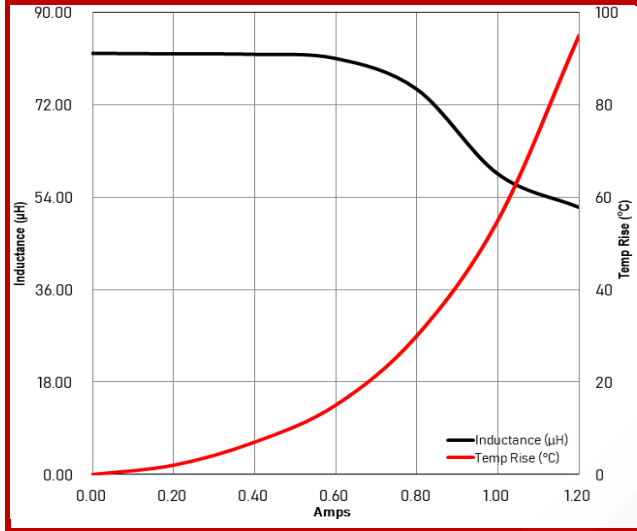




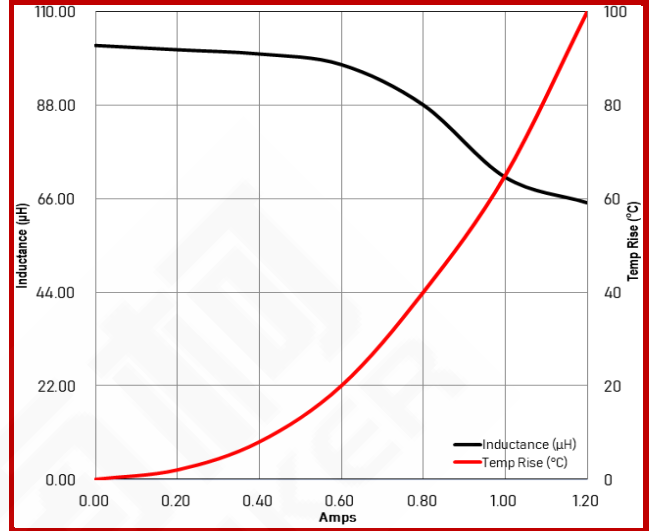
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

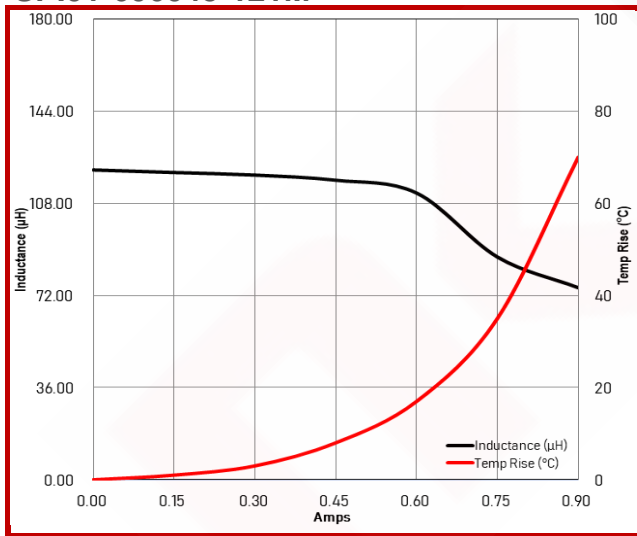
SPI01-606045-820M



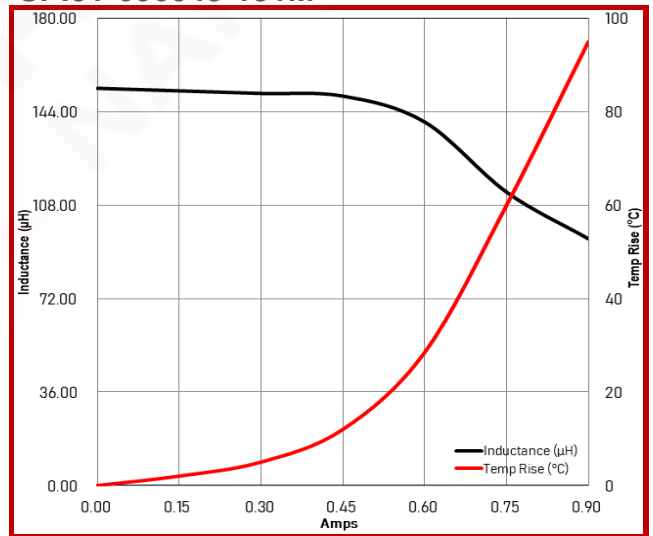
SPI01-606045-101M



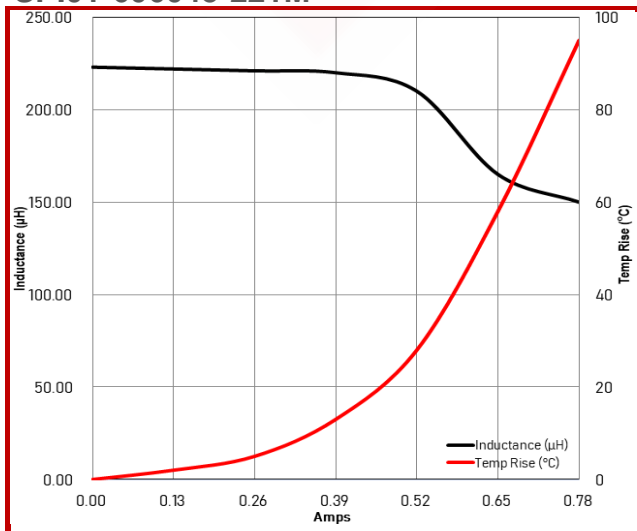
SPI01-606045-121M



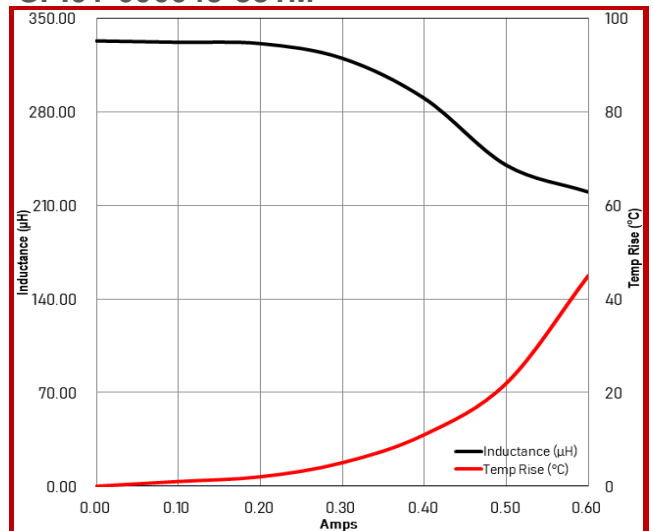
SPI01-606045-151M



SPI01-606045-221M



SPI01-606045-331M

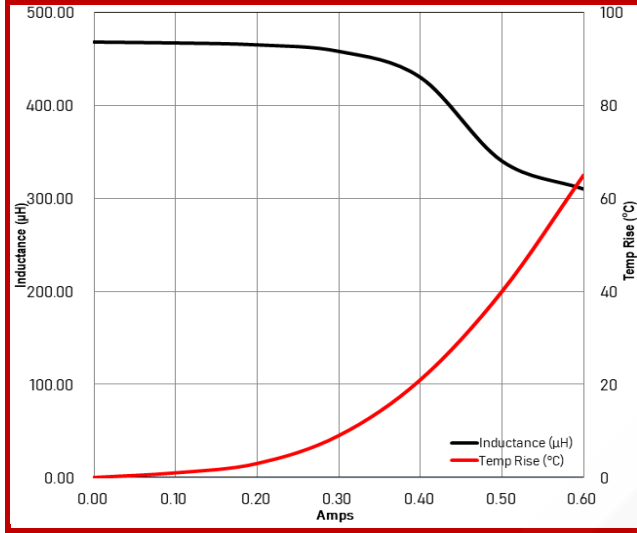




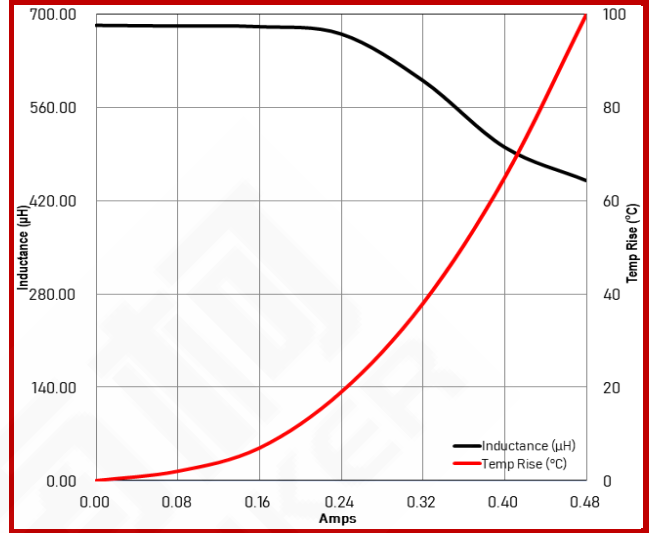
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

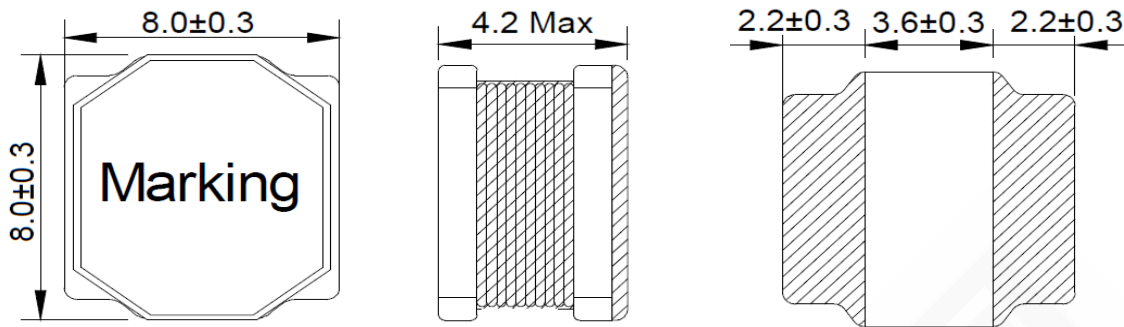
SPI01-606045-471M



SPI01-606045-681M



尺寸 Dimension (mm)



焊盘推荐 Land Pattern Recommended (mm)

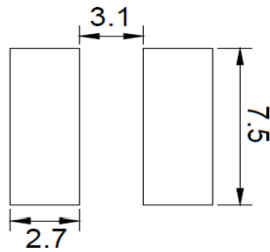


示意图 Schematics



电性特性 Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r max 40°C (A)	直流电阻 DC Resistance DCR ±30% (Ω)	饱和电流 Saturation Current I _{sat} max (A)	卷盘数量 Taping Reel Qty. pcs
SPI01-808040-1R0N	1.00 ±30%	6.30	0.008	9.85	1,000
SPI01-808040-1R5N	1.50 ±30%	5.65	0.010	8.15	1,000
SPI01-808040-2R2N	2.20 ±30%	5.15	0.012	7.10	1,000
SPI01-808040-3R3M	3.30 ±20%	4.40	0.017	6.50	1,000
SPI01-808040-4R7M	4.70 ±20%	4.10	0.019	5.90	1,000
SPI01-808040-6R8M	6.80 ±20%	3.60	0.024	4.55	1,000
SPI01-808040-8R2M	8.20 ±20%	3.45	0.026	4.20	1,000
SPI01-808040-100M	10.00 ±20%	3.30	0.042	3.60	1,000
SPI01-808040-150M	15.00 ±20%	2.60	0.047	2.95	1,000
SPI01-808040-220M	22.00 ±20%	2.10	0.069	2.40	1,000
SPI01-808040-330M	33.00 ±20%	1.80	0.097	2.05	1,000

测试状态

Test Condition

☆ 电感测试条件为 1.0MHz / 1.0V

Inductance measure condition at 1.0MHz / 1.0V

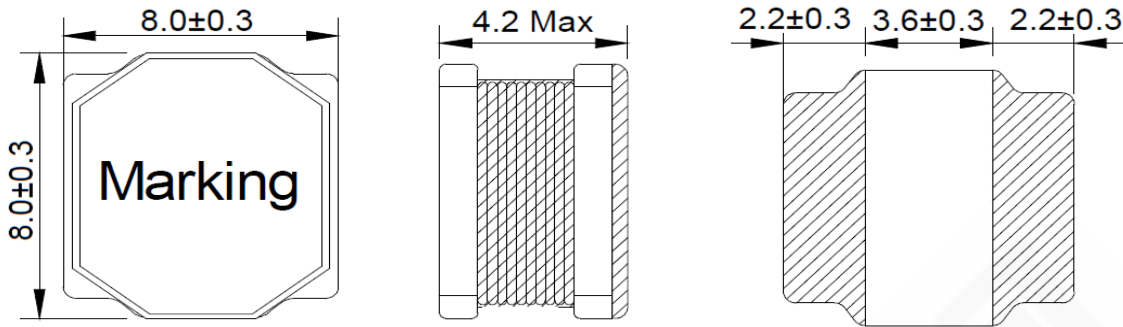
☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值

Saturation Current: The actual value of DC current when the inductance drop 30% of initial value

尺寸 Dimension (mm)



焊盘推荐 Land Pattern Recommended (mm)

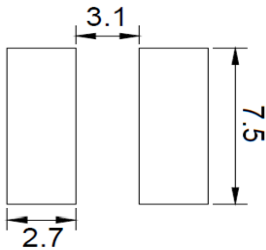


示意图 Schematics



电性特性 Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r max 40°C (A)	直流电阻 DC Resistance DCR ±30% (Ω)	饱和电流 Saturation Current I _{sat} max (A)	卷盘数量 Taping Reel Qty. pcs
SPI01-808040-470M	47.00 ±20%	1.55	0.136	1.75	1,000
SPI01-808040-560M	56.00 ±20%	1.30	0.180	1.55	1,000
SPI01-808040-680M	68.00 ±20%	1.25	0.196	1.45	1,000
SPI01-808040-820M	82.00 ±20%	1.15	0.225	1.30	1,000
SPI01-808040-101M	100.00 ±20%	1.00	0.290	1.15	1,000
SPI01-808040-121M	120.00 ±20%	0.95	0.334	1.12	1,000
SPI01-808040-151M	150.00 ±20%	0.85	0.410	1.00	1,000
SPI01-808040-221M	220.00 ±20%	0.80	0.650	0.85	1,000
SPI01-808040-331M	330.00 ±20%	0.64	0.889	0.68	1,000
SPI01-808040-471M	470.00 ±20%	0.54	1.260	0.60	1,000
SPI01-808040-681M	680.00 ±20%	0.45	2.500	0.50	1,000

测试状态

Test Condition

☆ 电感测试条件为 1.0MHz / 1.0V

Inductance measure condition at 1.0MHz / 1.0V

☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值

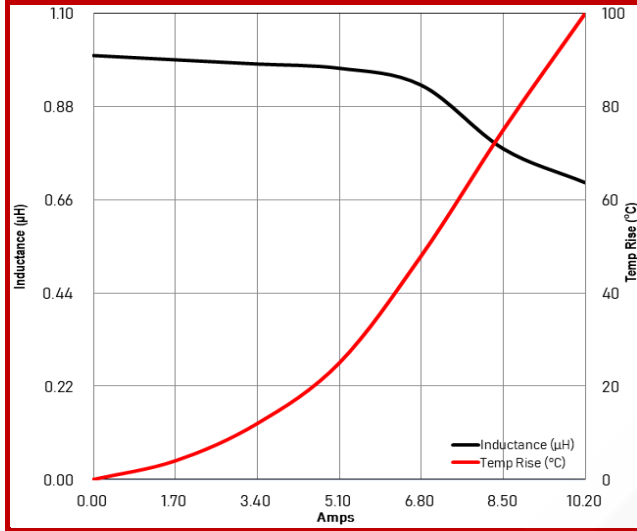
Saturation Current: The actual value of DC current when the inductance drop 30% of initial value



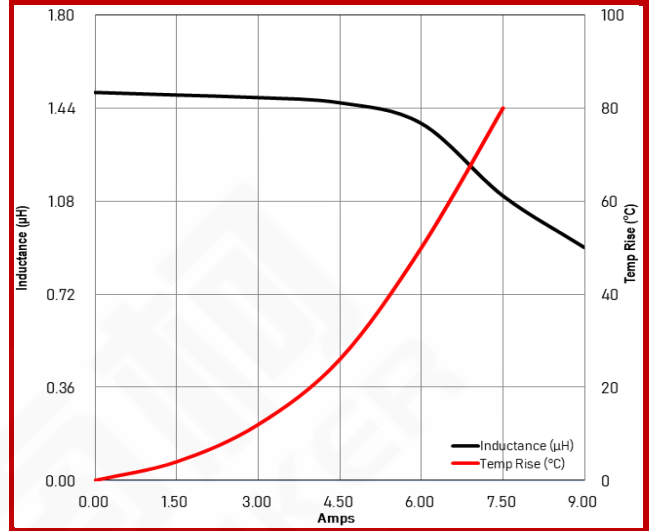
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

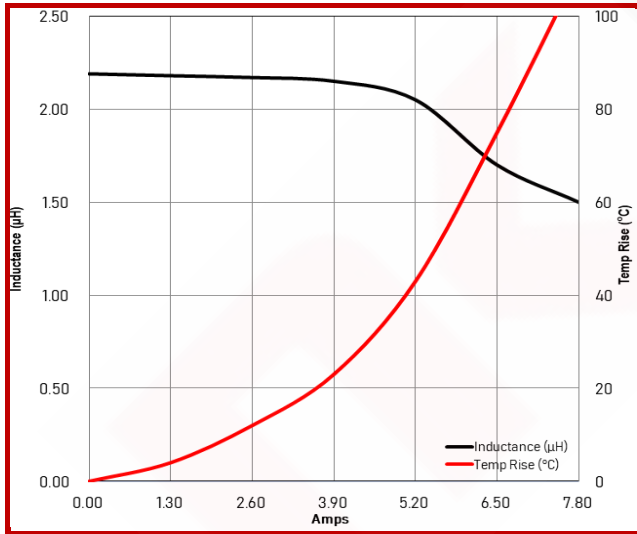
SPI01-808040-1R0N



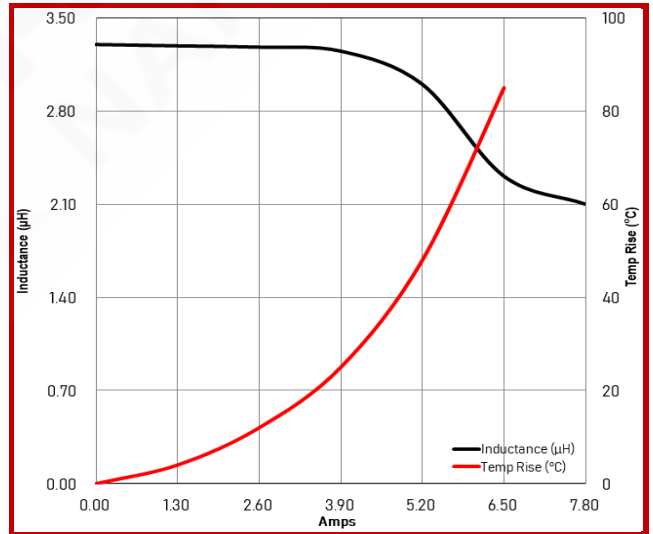
SPI01-808040-1R5N



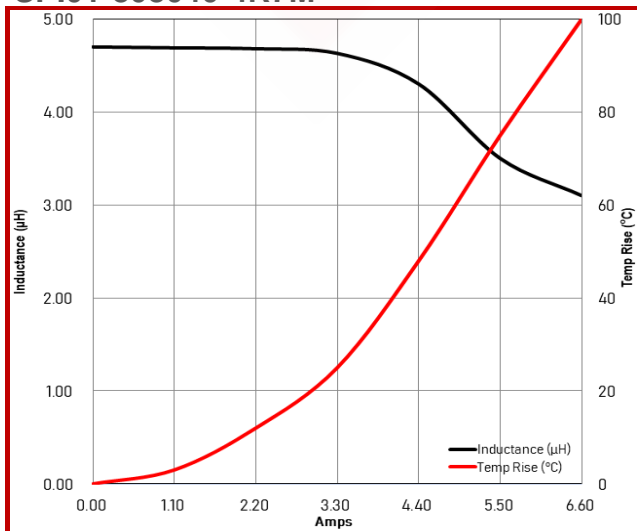
SPI01-808040-2R2N



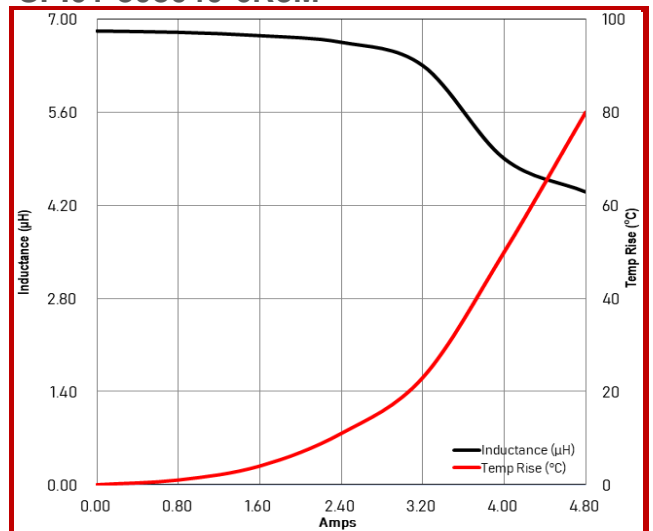
SPI01-808040-3R3M



SPI01-808040-4R7M



SPI01-808040-6R8M

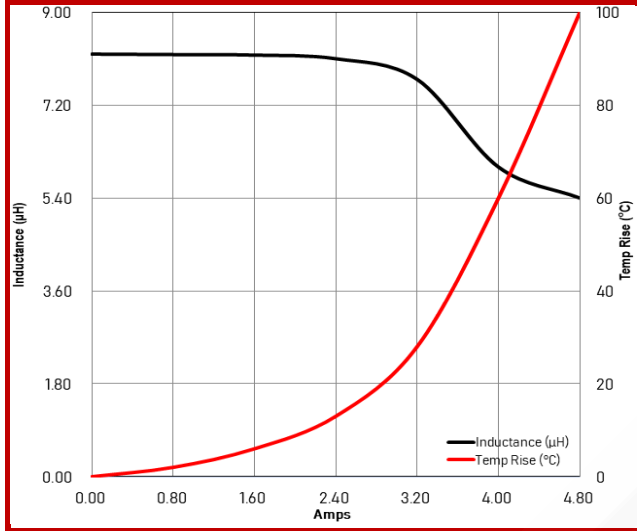




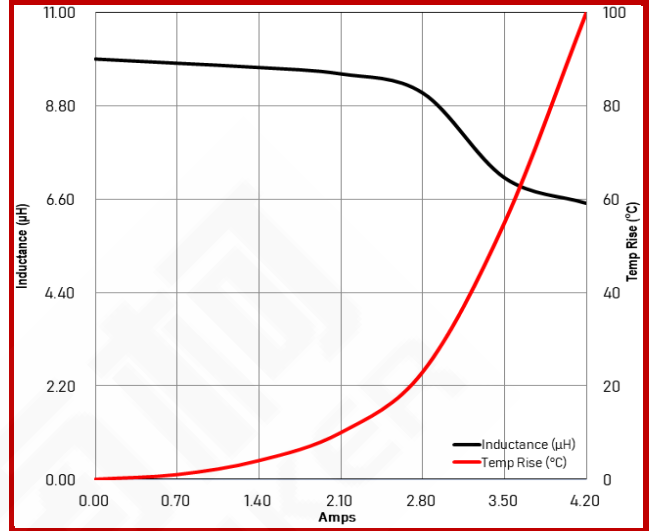
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

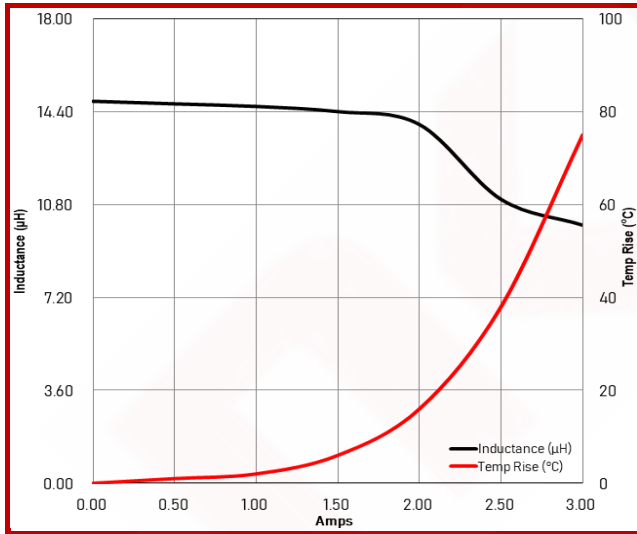
SPI01-808040-8R2M



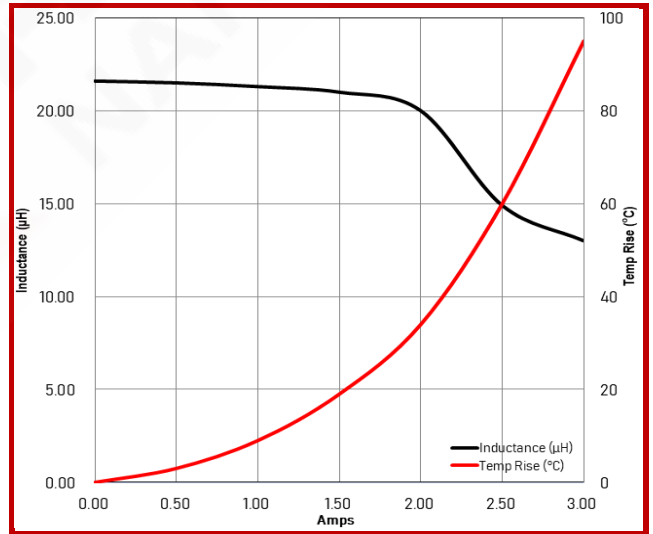
SPI01-808040-100M



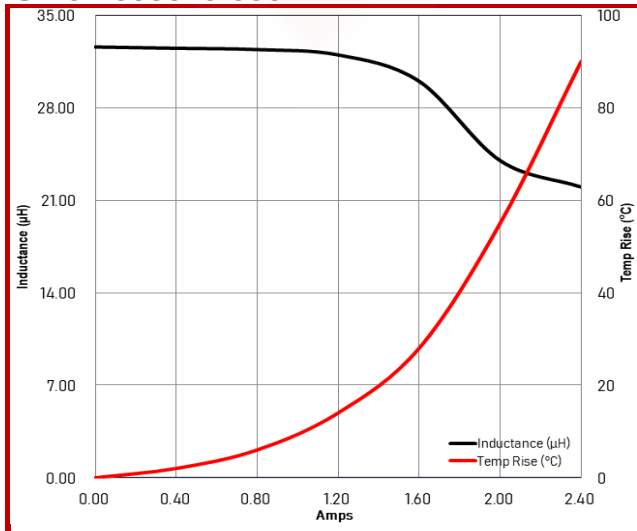
SPI01-808040-150M



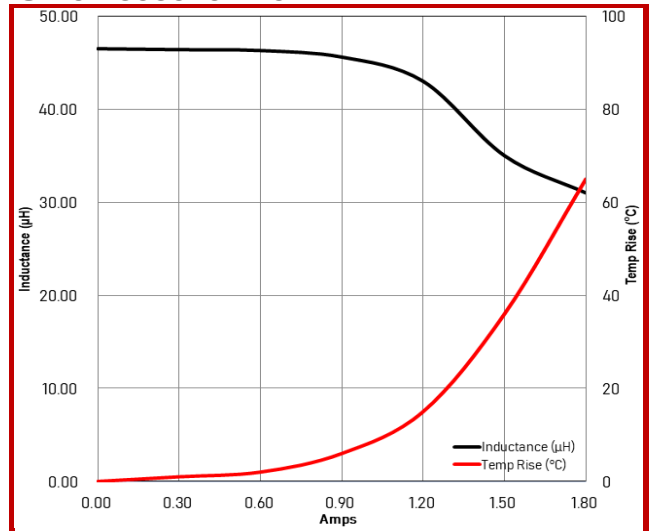
SPI01-808040-220M



SPI01-808040-330M



SPI01-808040-470M

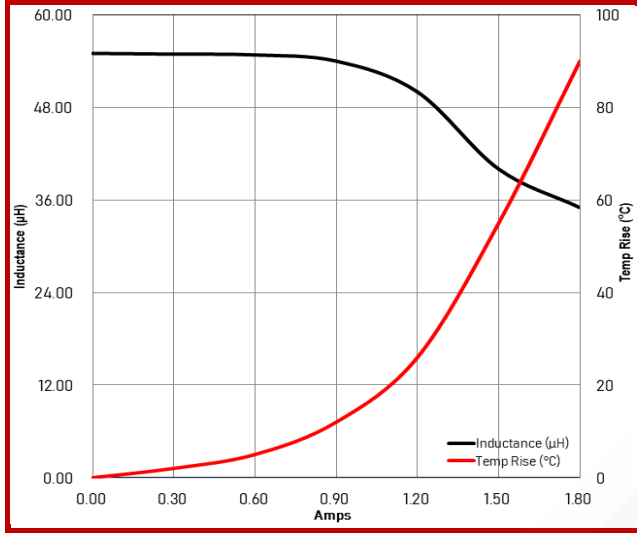




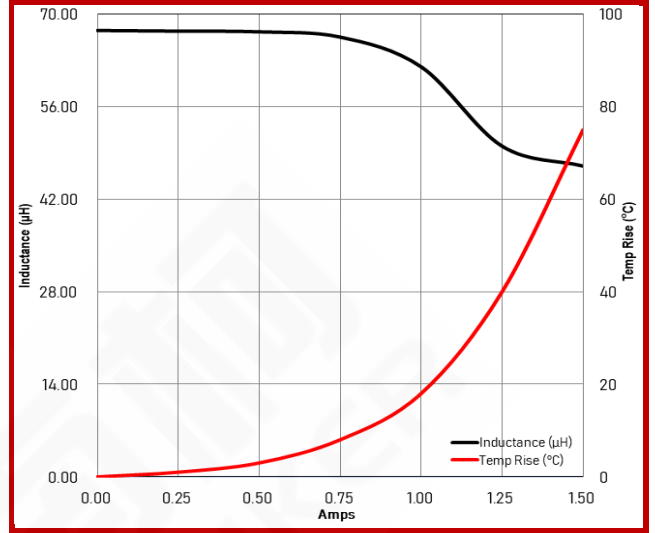
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

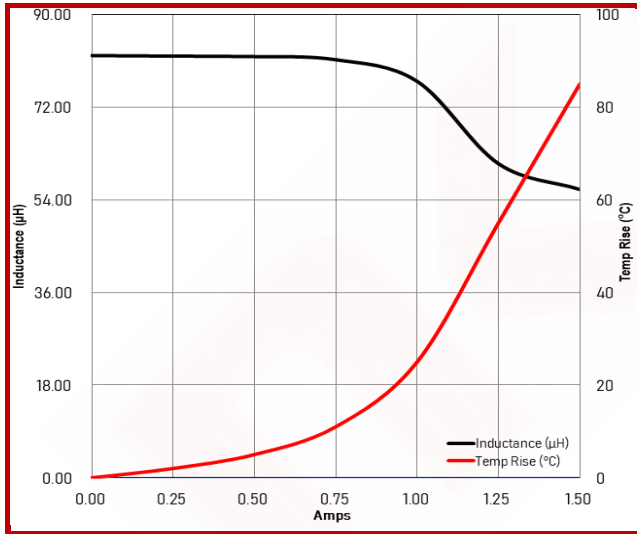
SPI01-808040-560M



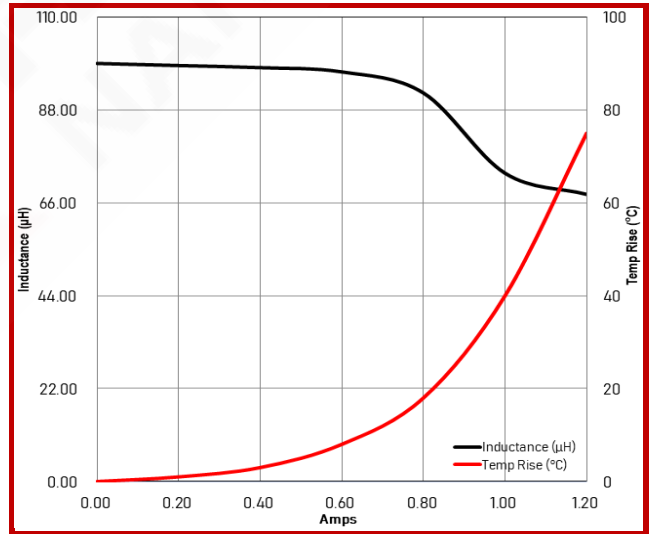
SPI01-808040-680M



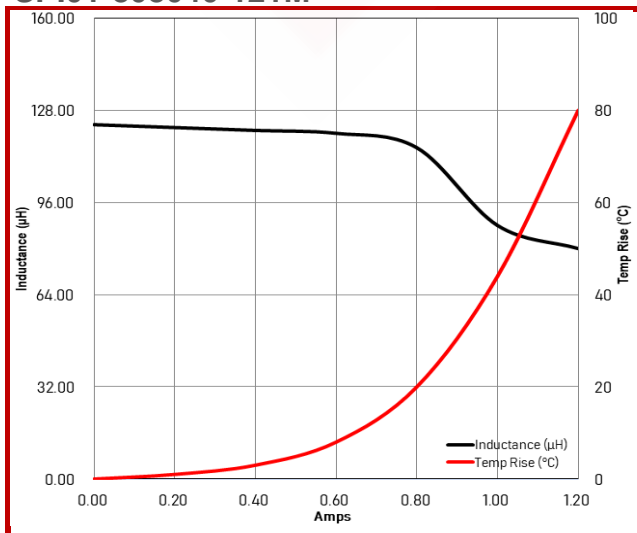
SPI01-808040-820M



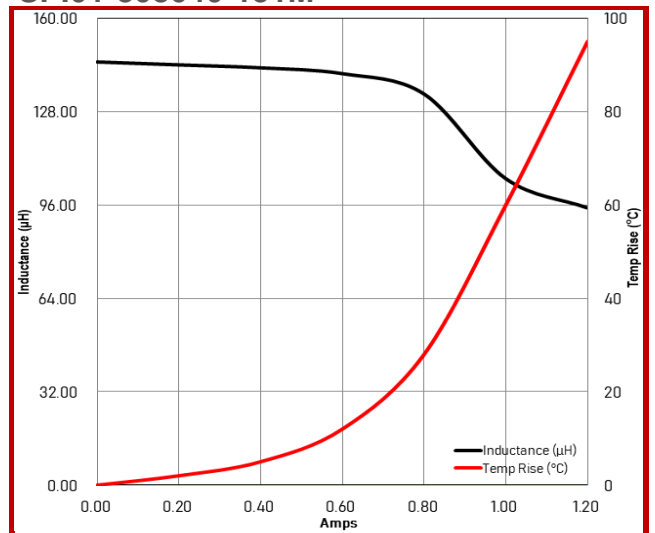
SPI01-808040-101M



SPI01-808040-121M



SPI01-808040-151M

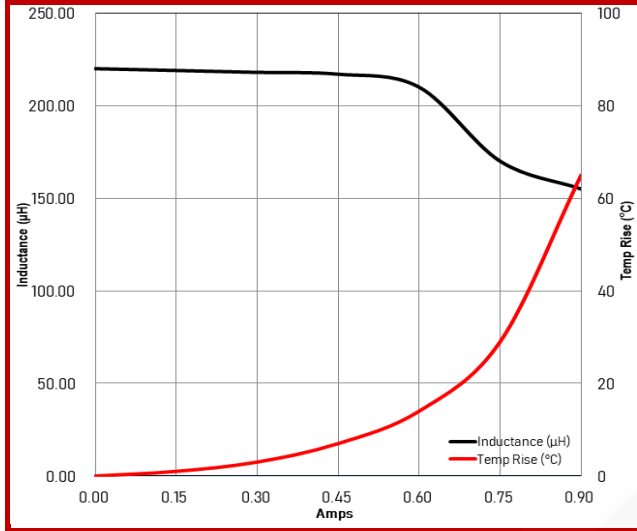




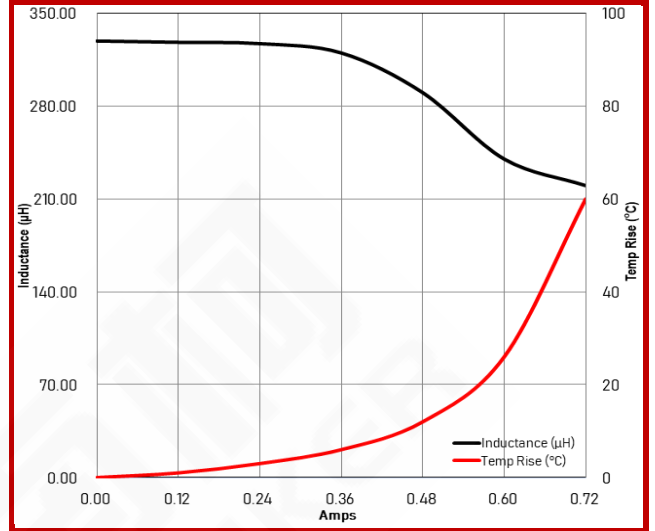
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

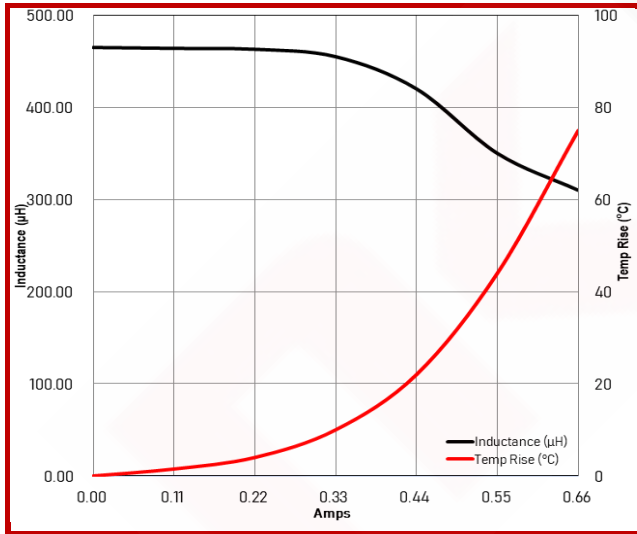
SPI01-808040-221M



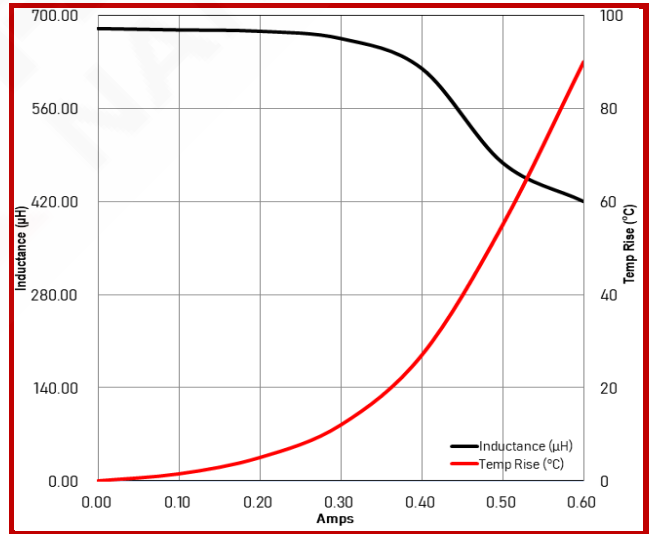
SPI01-808040-331M



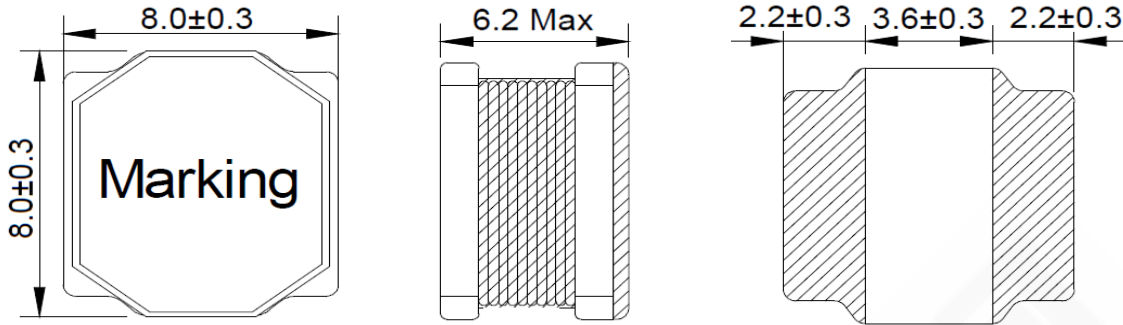
SPI01-808040-471M



SPI01-808040-681M



尺寸 Dimension (mm)



焊盘推荐 Land Pattern Recommended (mm)

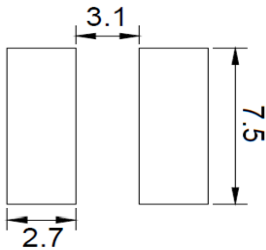


示意图 Schematics



电性特性 Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r max 40°C (A)	直流电阻 DC Resistance DCR ±30% (Ω)	饱和电流 Saturation Current I _{sat} max (A)	卷盘数量 Taping Reel Qty. pcs
SPI01-808060-100M	10.00 ±20%	3.20	0.035	5.00	800
SPI01-808060-220M	22.00 ±20%	2.80	0.060	3.00	800
SPI01-808060-330M	33.00 ±20%	2.10	0.090	2.50	800
SPI01-808060-470M	47.00 ±20%	1.60	0.125	1.85	800
SPI01-808060-820M	82.00 ±20%	1.20	0.230	1.30	800
SPI01-808060-101M	100.00 ±20%	0.91	0.250	1.20	800
SPI01-808060-151M	150.00 ±20%	0.90	0.350	1.15	800
SPI01-808060-221M	220.00 ±20%	0.88	0.580	1.10	800
SPI01-808060-331M	330.00 ±20%	0.65	0.800	0.90	800
SPI01-808060-471M	470.00 ±20%	0.55	1.300	0.80	800
SPI01-808060-681M	680.00 ±20%	0.48	1.600	0.70	800

测试状态

Test Condition

☆ 电感测试条件为 1.0MHz / 1.0V

Inductance measure condition at 1.0MHz / 1.0V

☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值

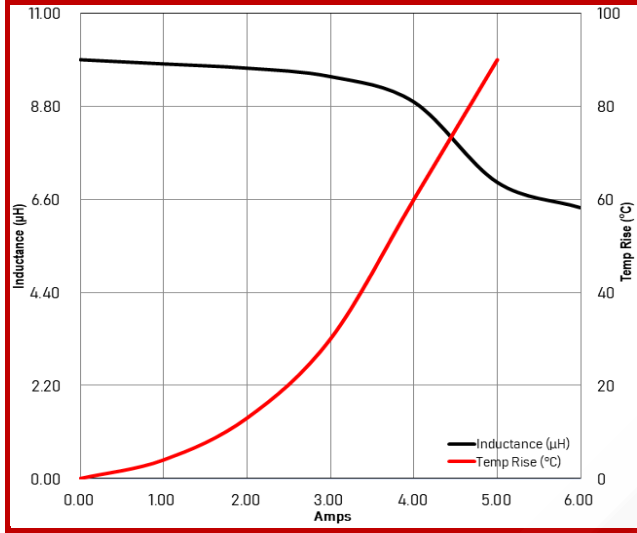
Saturation Current: The actual value of DC current when the inductance drop 30% of initial value



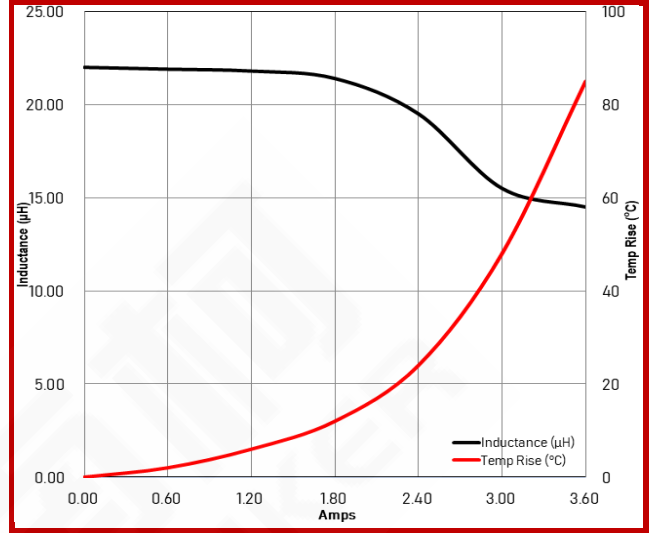
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

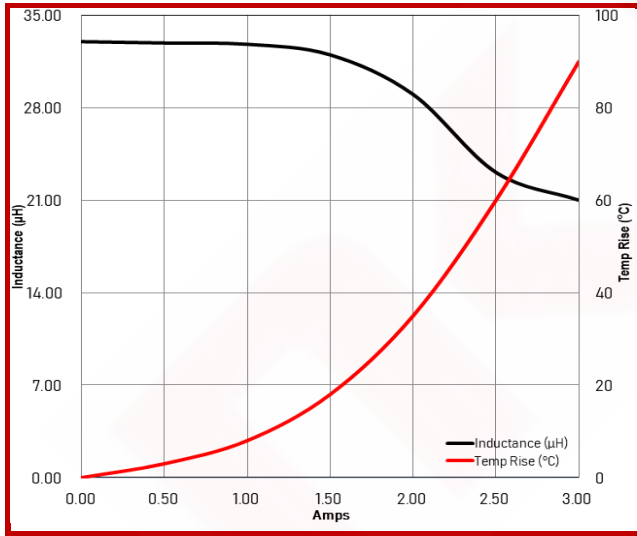
SPI01-808060-100M



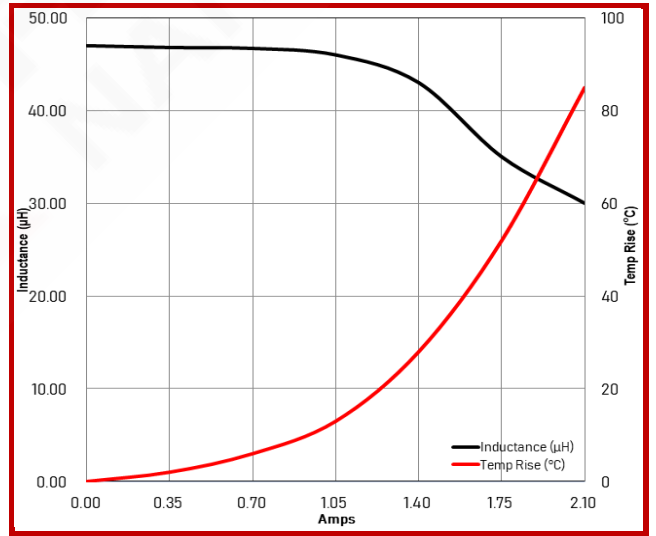
SPI01-808060-220M



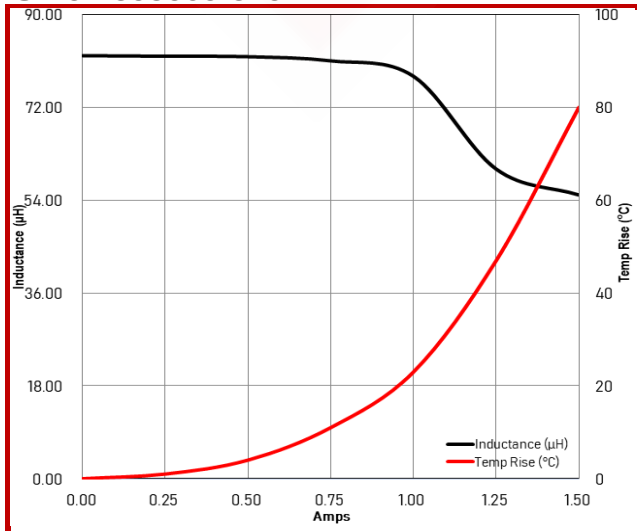
SPI01-808060-330M



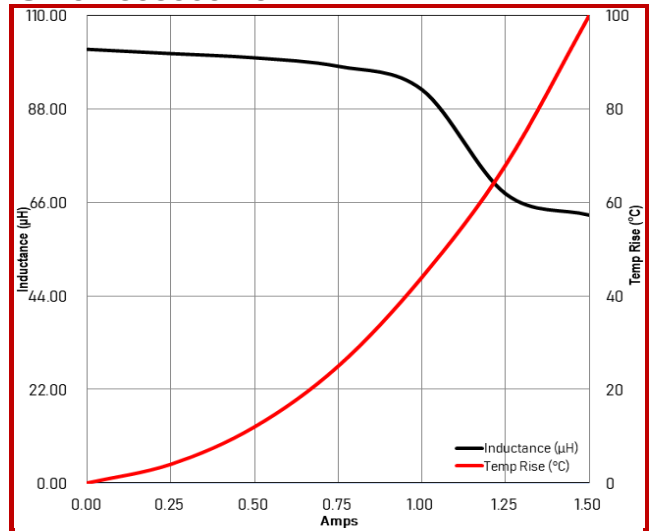
SPI01-808060-470M



SPI01-808060-820M



SPI01-808060-101M

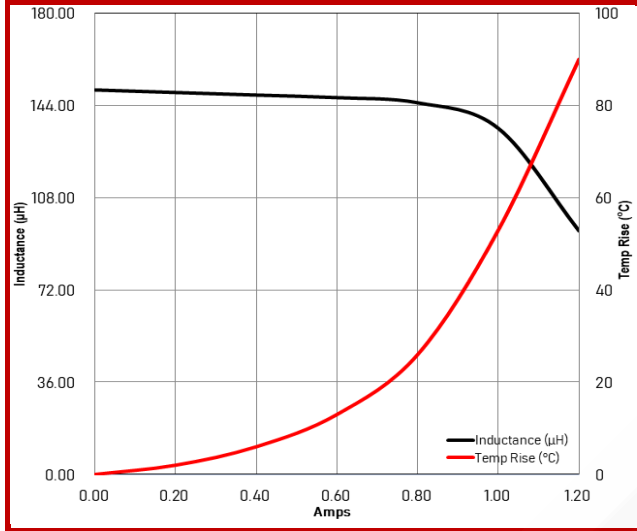




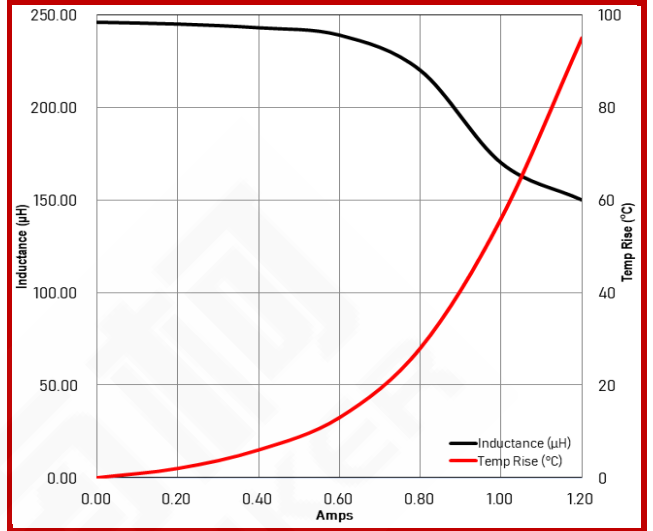
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

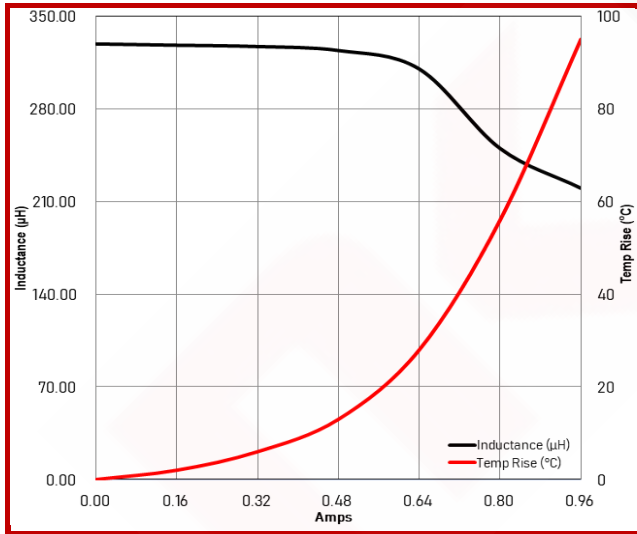
SPI01-808060-151M



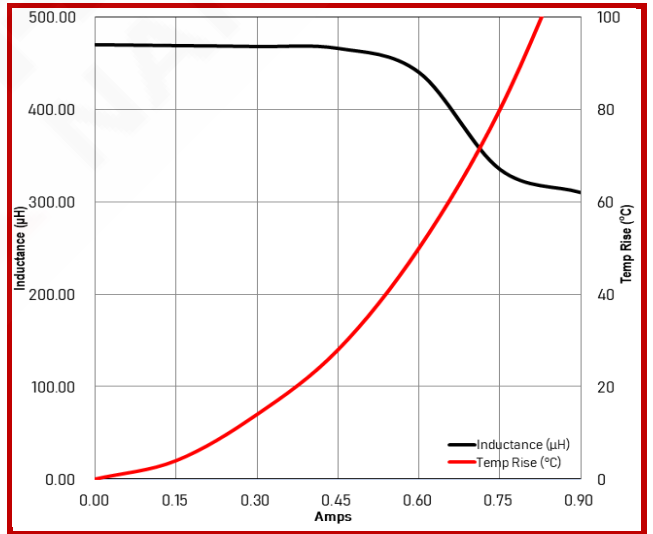
SPI01-808060-221M



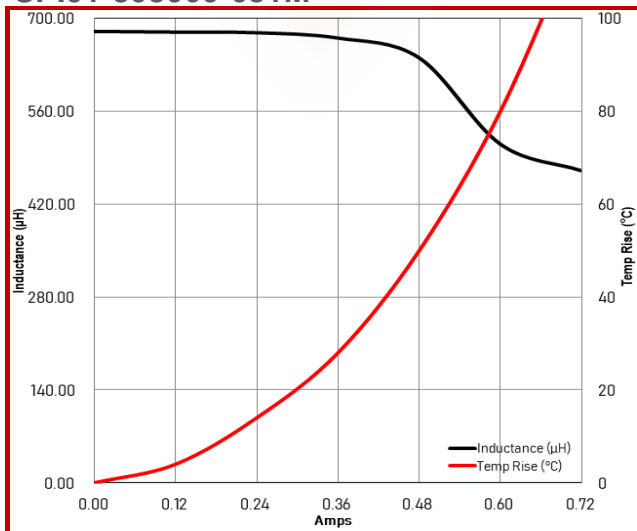
SPI01-808060-331M

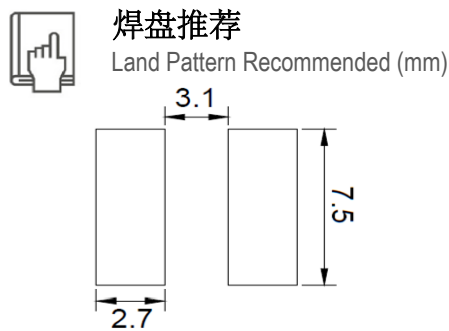
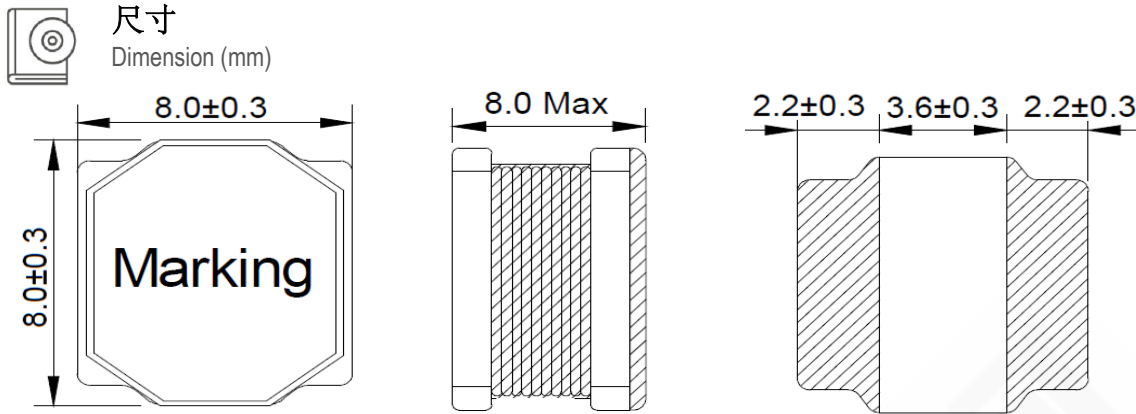


SPI01-808060-471M



SPI01-808060-681M





型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r max 40°C (A)	直流电阻 DC Resistance DCR ±30% (Ω)	饱和电流 Saturation Current I _{sat} max (A)	卷盘数量 Taping Reel Qty. pcs
SPI01-808080-100M	10.00 ±20%	3.50	0.035	6.00	500
SPI01-808080-150M	15.00 ±20%	3.00	0.045	4.50	500
SPI01-808080-220M	22.00 ±20%	3.00	0.055	4.00	500
SPI01-808080-330M	33.00 ±20%	2.50	0.075	3.00	500
SPI01-808080-820M	82.00 ±20%	1.50	0.150	2.20	500
SPI01-808080-101M	100.00 ±20%	1.12	0.190	1.90	500
SPI01-808080-151M	150.00 ±20%	1.00	0.300	1.60	500
SPI01-808080-221M	220.00 ±20%	0.80	0.420	1.20	500

测试状态

Test Condition

☆ 电感测试条件为 1.0MHz / 1.0V

Inductance measure condition at 1.0MHz / 1.0V

☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值

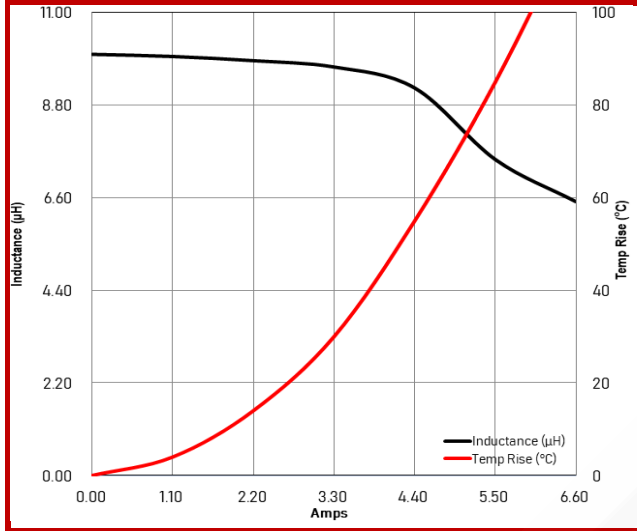
Saturation Current: The actual value of DC current when the inductance drop 30% of initial value



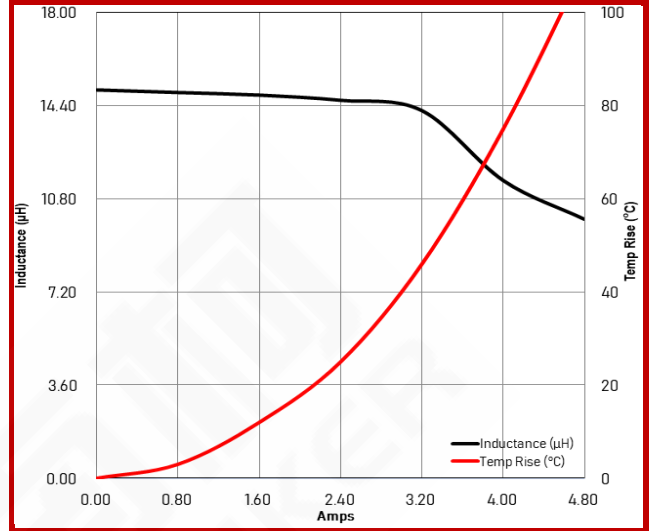
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

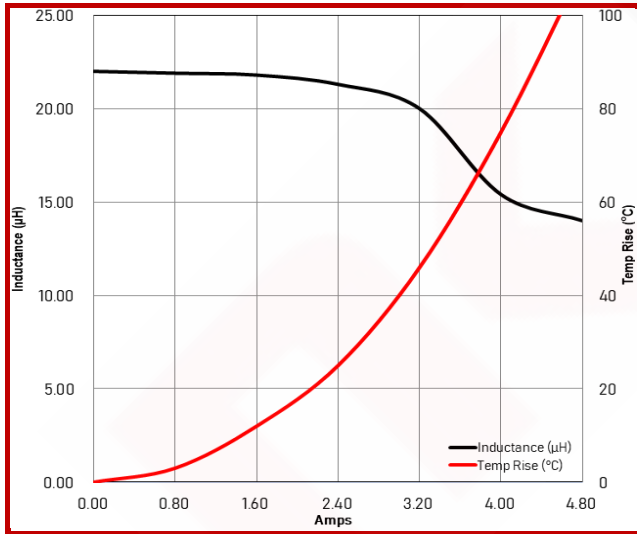
SPI01-808080-100M



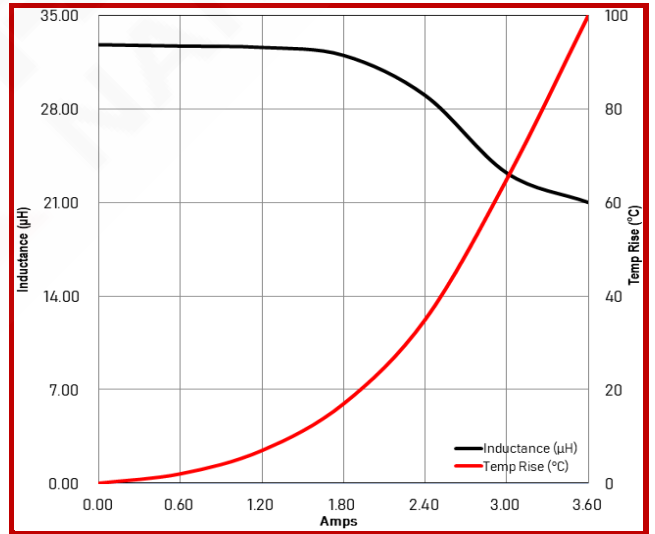
SPI01-808080-150M



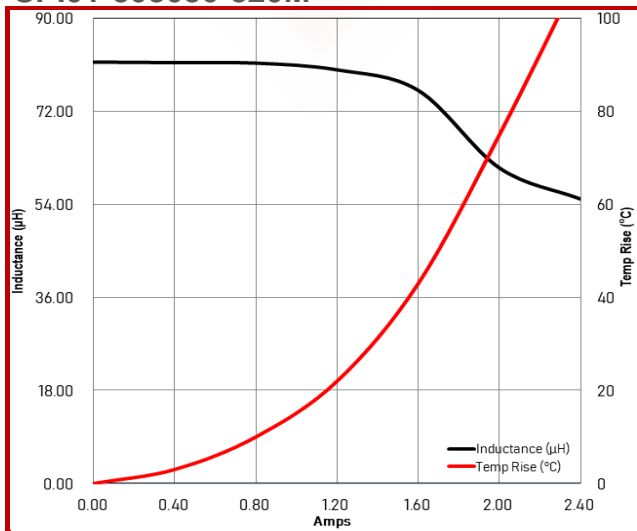
SPI01-808080-220M



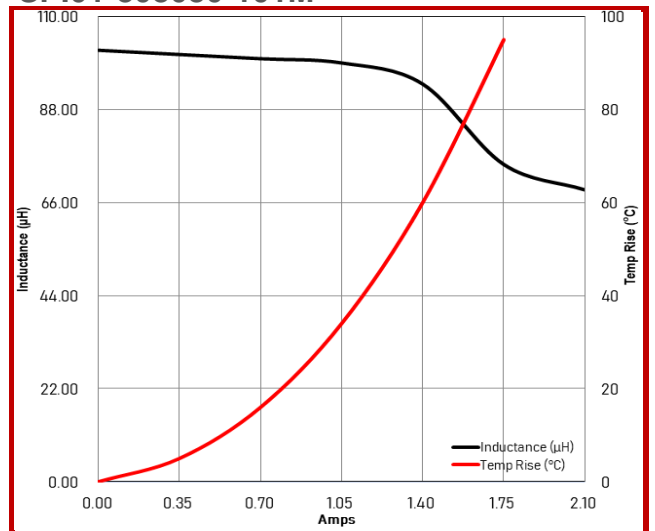
SPI01-808080-330M

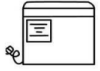


SPI01-808080-820M



SPI01-808080-101M

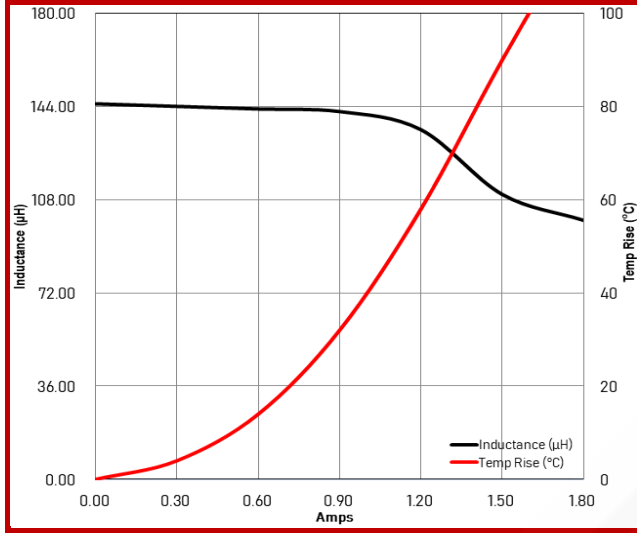




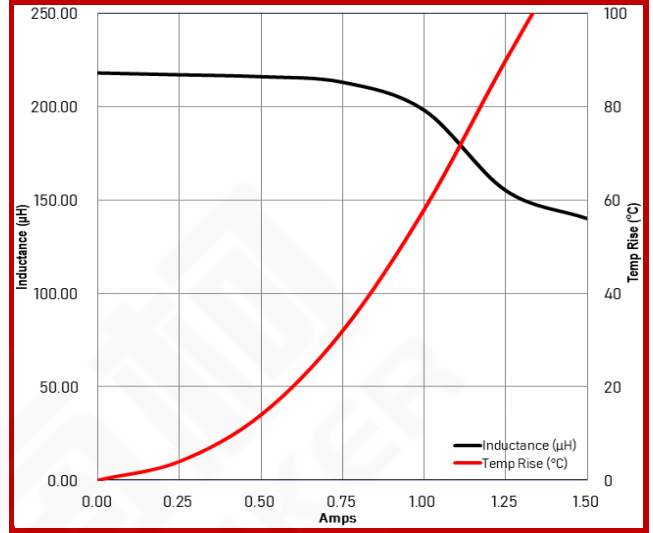
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

SPI01-808080-151M



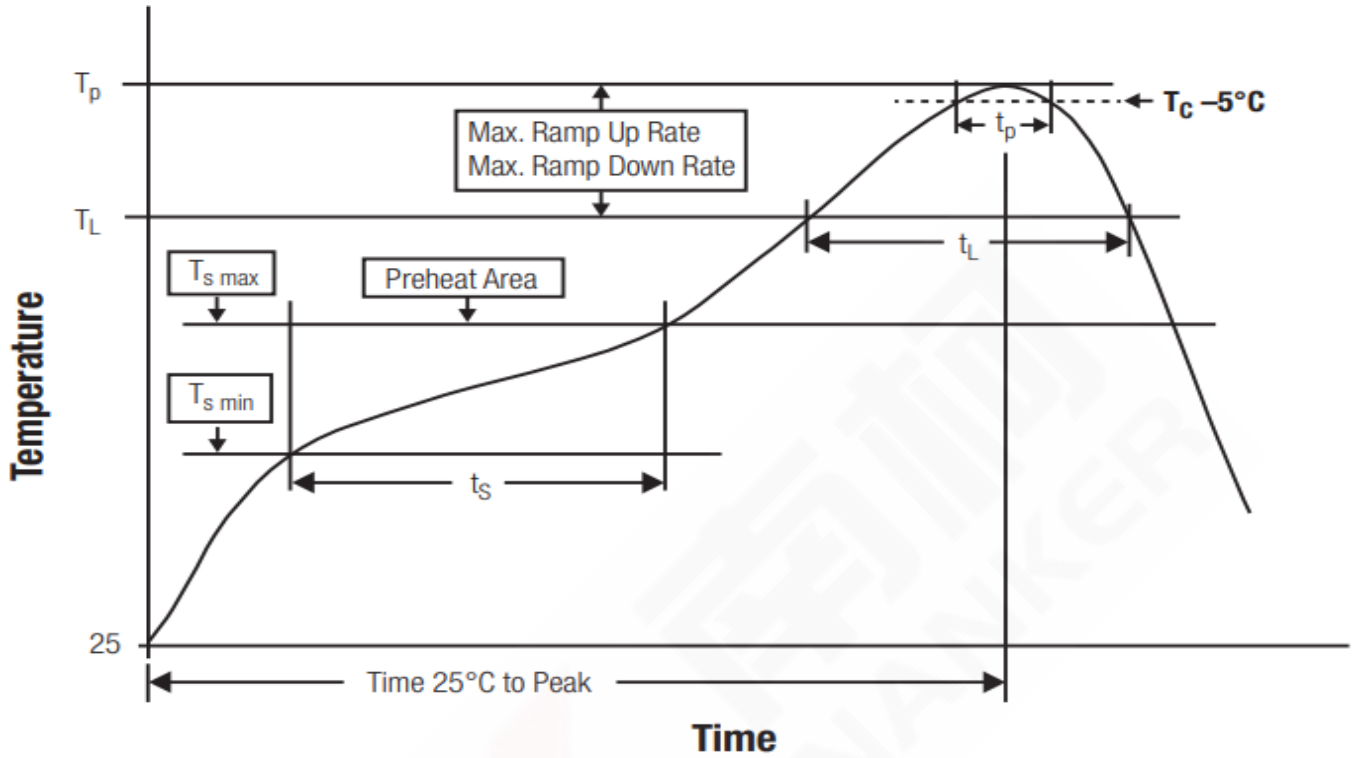
SPI01-808080-221M





回流焊曲线图

Classification Reflow Profile for SMT Components



封装体峰值温度(Tp)分类

Classification Reflow Soldering Profile:

	封装厚度 Package Thickness	封装体积 Package Volume		
		<350 mm ³	350~2,000 mm ³	>2,000 mm ³
无铅装配 PB-Free Assembly	<1.60mm	260°C	260°C	260°C
	1.60~2.50mm	260°C	250°C	245°C
	>2.50mm	260°C	245°C	245°C

- ◆ 回流焊参照标准 IPC/JEDEC J-STD-020D。
Reflow is refer to standard IPC/JEDEC J-STD-020D.