

磁屏蔽电感

Shielded Power Inductor (Tiny Type)



特性

Characteristics

超薄功率电感器

Extremely flat power inductor

磁屏蔽，产生低漏磁场

Magnetically shielded which results in a low leakage field

高电流能力

High current capability

应用

Application

便携式电源，如PDA、数码相机、PCMCIA卡和显示器
Portable power like PDA, digital camera, PCMCIA cards and displays

DC/DC转换器

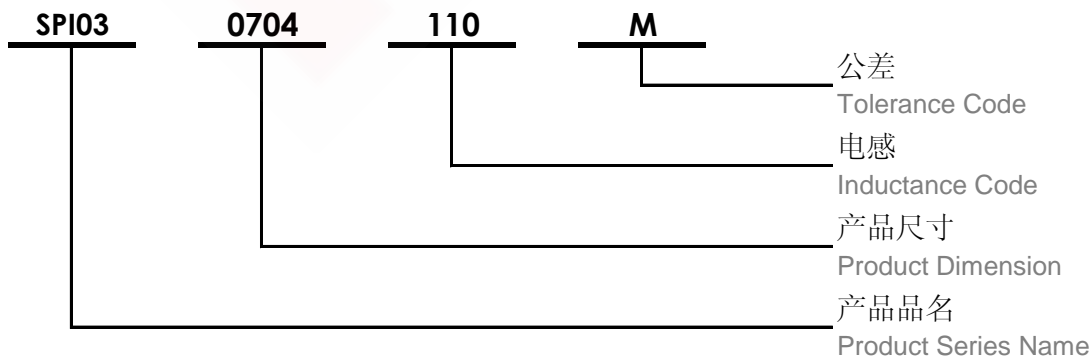
DC/DC converter

移动数据采集、遥测

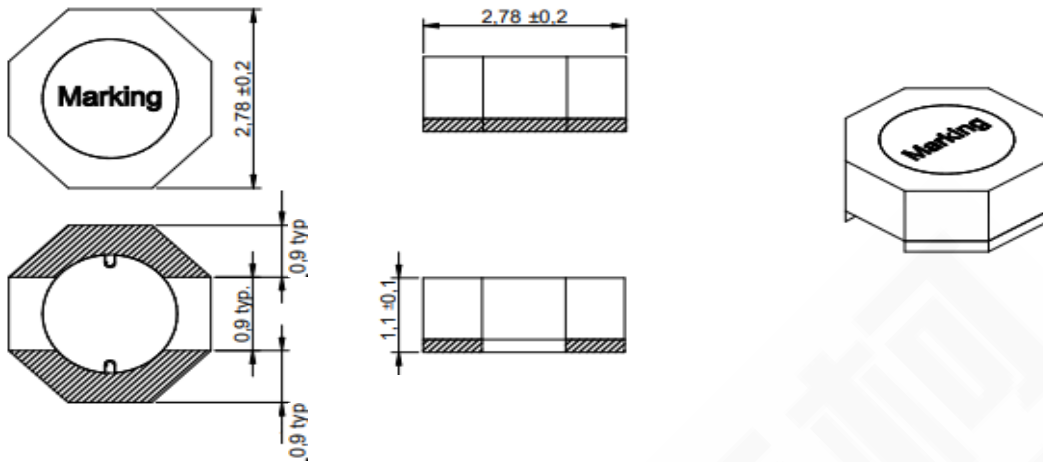
Mobile data gathering, telemetric

产品品名介绍

Product Number Structure



尺寸 Dimension (mm)



焊盘推荐 Land Pattern Recommended (mm)

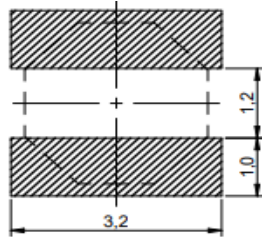


示意图 Schematics



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 typ (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packaging Qty pcs
SPI03-0311-R056N	0.056 ±35%	4.50	11.50	6.00	1,500
SPI03-0311-R15N	0.15 ±35%	3.00	18.00	3.60	1,500
SPI03-0311-R33N	0.33 ±35%	2.80	27.00	2.40	1,500
SPI03-0311-R47N	0.47 ±35%	2.50	36.00	2.00	1,500
SPI03-0311-R82N	0.82 ±35%	2.00	53.00	1.60	1,500
SPI03-0311-1R0N	1.00 ±35%	1.75	65.00	1.50	1,500
SPI03-0311-2R2N	2.20 ±35%	1.30	125.00	1.00	1,500
SPI03-0311-3R3N	3.30 ±35%	1.00	185.00	0.85	1,500
SPI03-0311-4R7N	4.70 ±35%	0.85	265.00	0.70	1,500
SPI03-0311-6R8N	6.80 ±35%	0.75	325.00	0.55	1,500

测试状态

Test Condition

☆ 电感测试条件为 100kHz / 10mA (25°C)

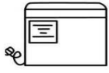
Inductance measure condition at 100kHz / 10mA (25°C)

☆ 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35%时所加载的实际直流电流值

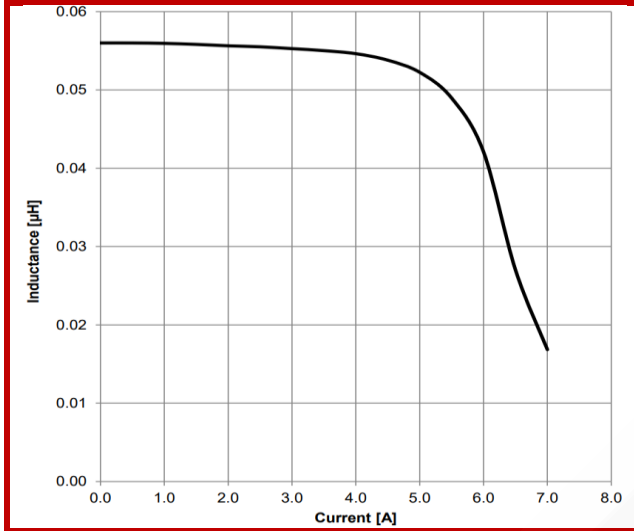
Saturation Current: The actual value of DC current when the inductance drop 35% of initial value



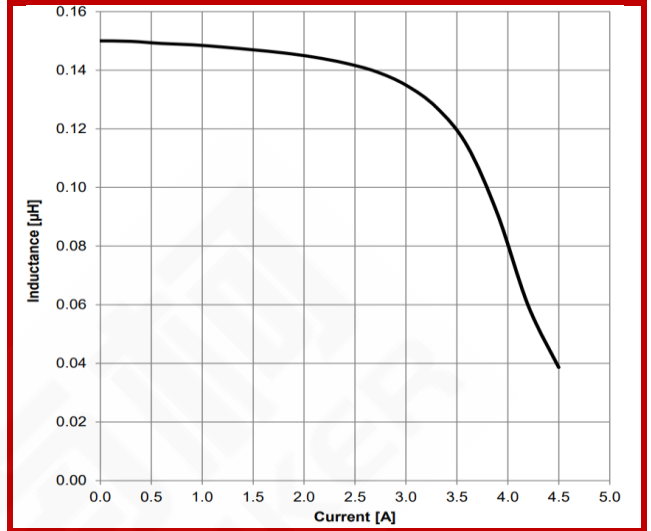
典型电感与电流特性

Typical Inductance vs. Current Characteristics

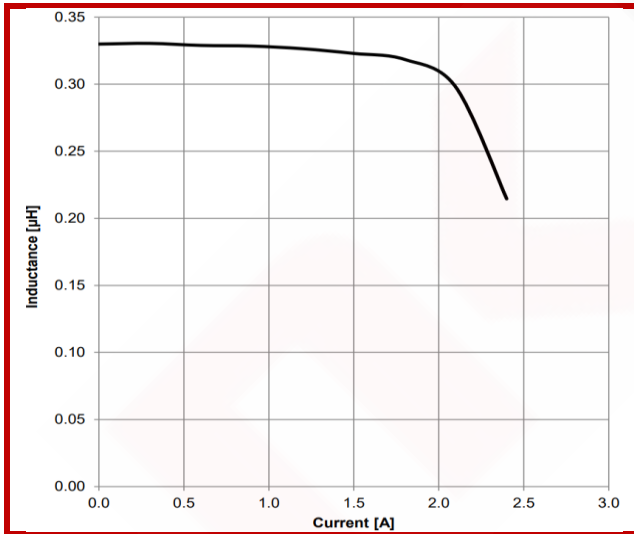
SPI03-0311-R056N



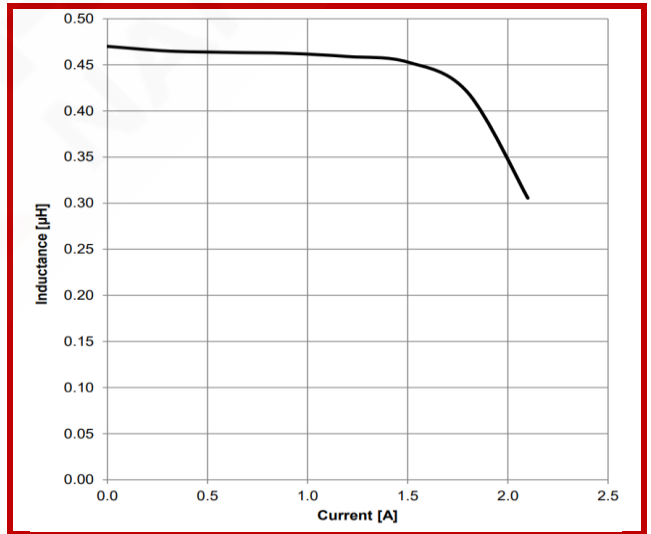
SPI03-0311-R15N



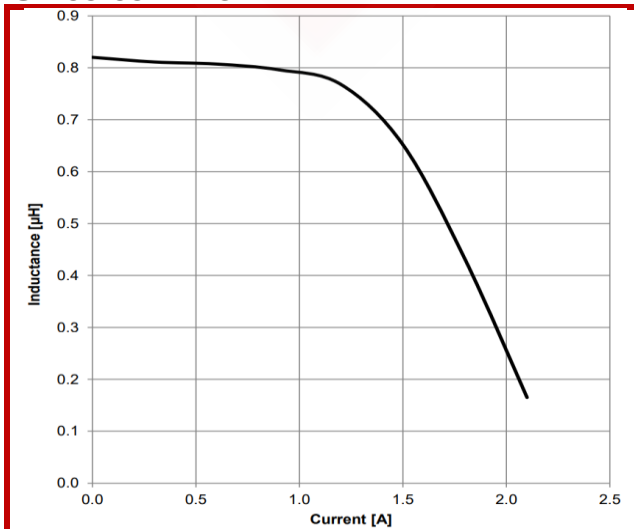
SPI03-0311-R33N



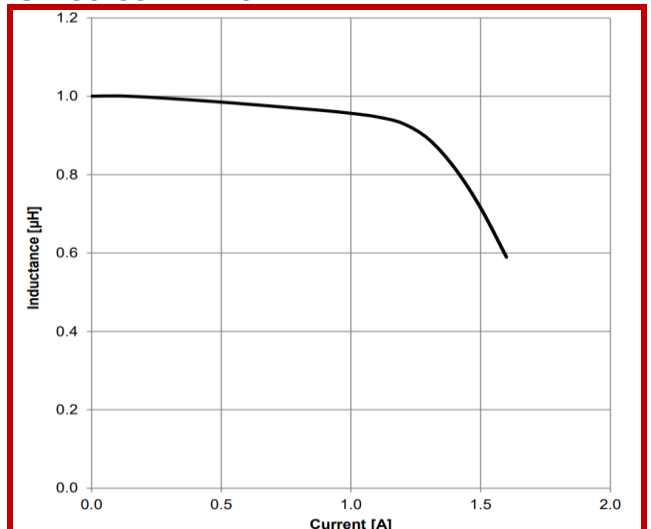
SPI03-0311-R47N

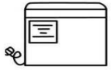


SPI03-0311-R82N



SPI03-0311-1R0N

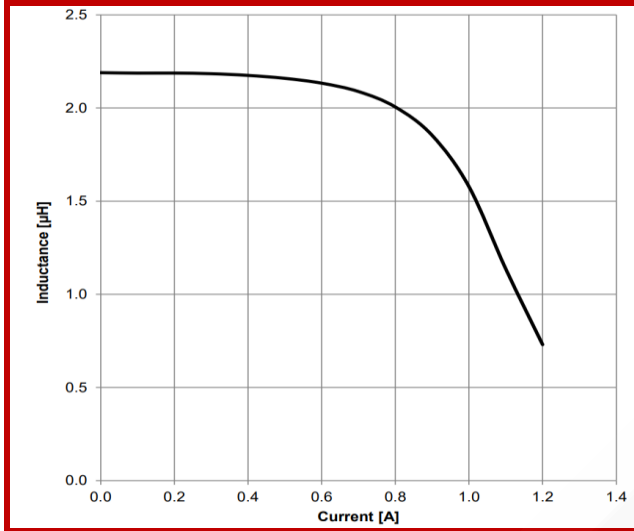




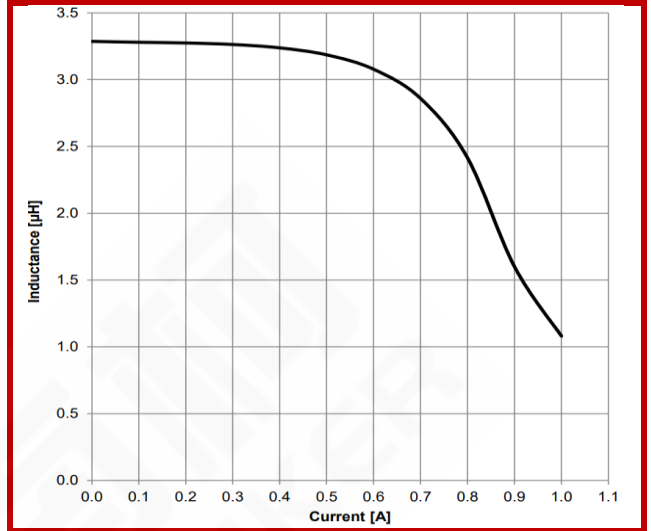
典型电感与电流特性

Typical Inductance vs. Current Characteristics

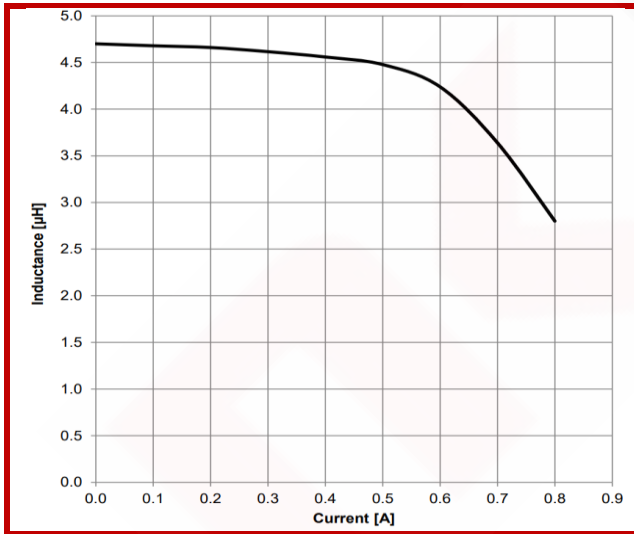
SPI03-0311-2R2N



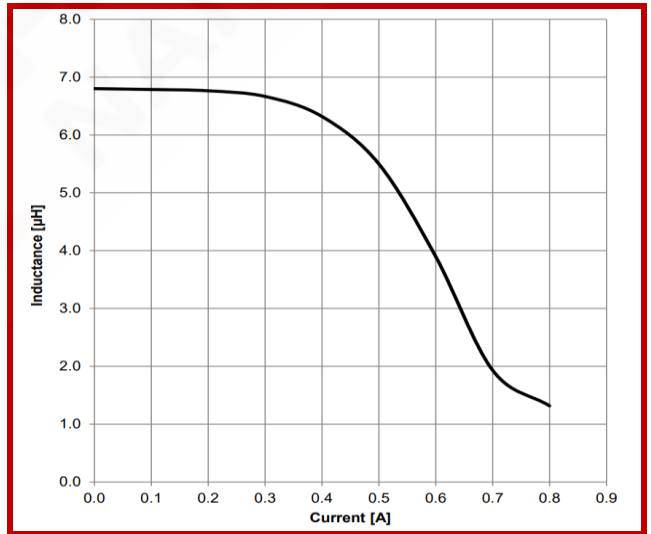
SPI03-0311-3R3N



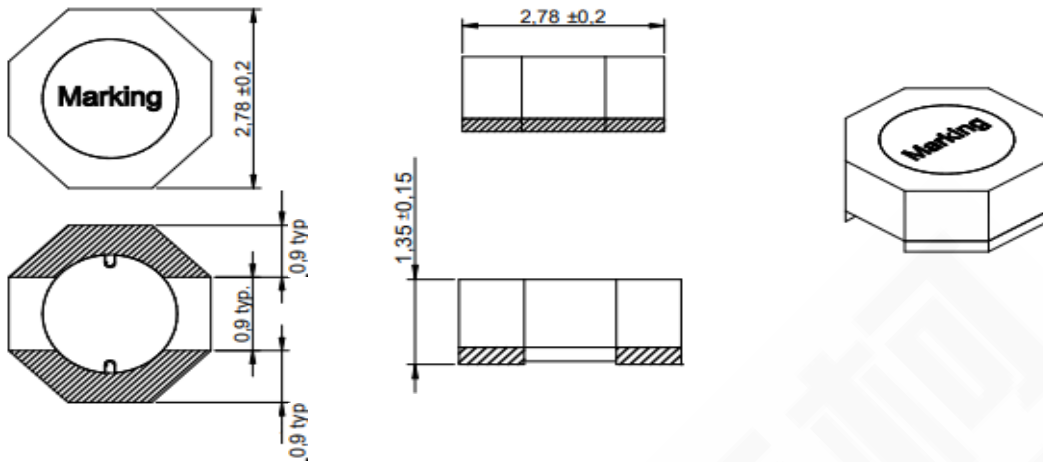
SPI03-0311-4R7N



SPI03-0311-6R8N



尺寸 Dimension (mm)



焊盘推荐 Land Pattern Recommended (mm)

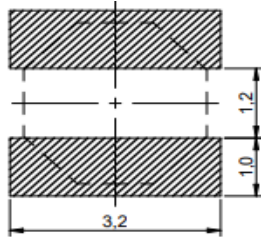


示意图 Schematics



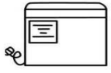
电性特性 Electrical Properties

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 typ (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packaging Qty pcs
SPI03-0313-R068N	0.068 ±35%	4.50	10.50	5.50	1,200
SPI03-0313-R16N	0.16 ±35%	3.80	16.00	3.90	1,200
SPI03-0313-R47N	0.47 ±35%	2.80	29.00	2.20	1,200
SPI03-0313-R82N	0.82 ±35%	2.40	36.00	1.80	1,200
SPI03-0313-1R0N	1.00 ±35%	2.20	45.00	1.60	1,200
SPI03-0313-2R2N	2.20 ±35%	1.50	88.00	1.15	1,200
SPI03-0313-3R3N	3.30 ±35%	1.25	110.00	0.95	1,200
SPI03-0313-4R7N	4.70 ±35%	1.00	170.00	0.80	1,200
SPI03-0313-6R8N	6.80 ±35%	0.82	250.00	0.65	1,200
SPI03-0313-100N	10.00 ±35%	0.65	390.00	0.50	1,200

测试状态

Test Condition

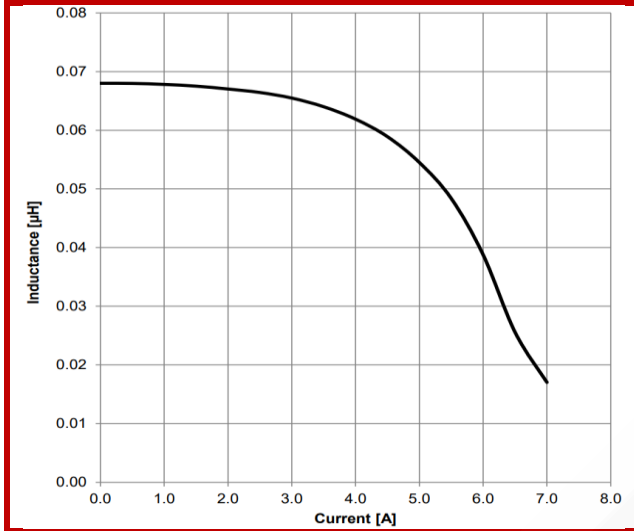
- ☆ 电感测试条件为 100kHz / 10mA (25°C)
Inductance measure condition at 100kHz / 10mA (25°C)
- ☆ 工作温度: -40°C ~ +125°C
Operating Temperature: -40°C ~ +125°C
- ☆ 饱和电流: 电感值下降其初始值的35%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 35% of initial value



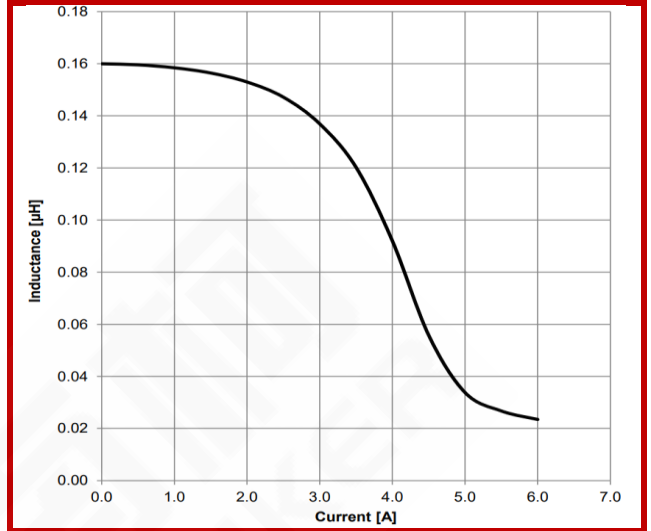
典型电感与电流特性

Typical Inductance vs. Current Characteristics

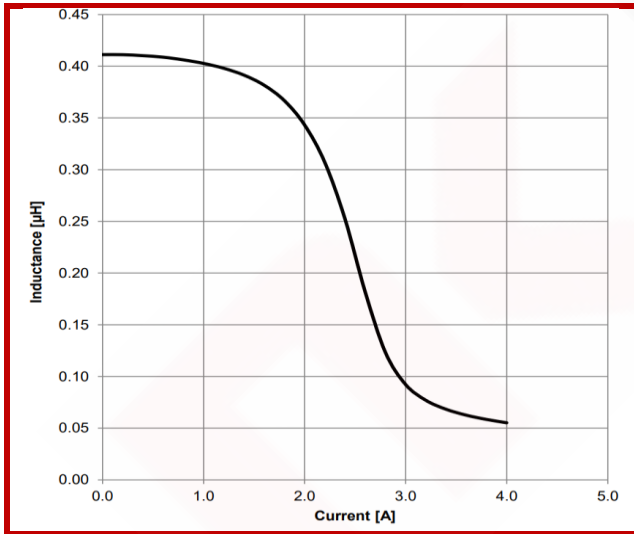
SPI03-0313-R068N



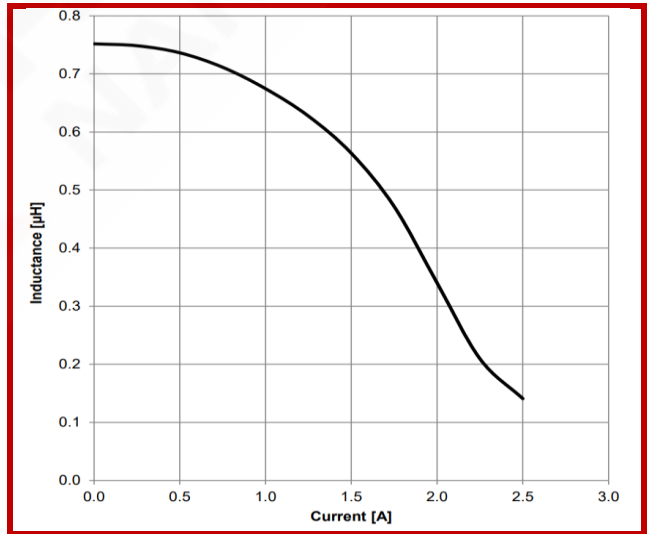
SPI03-0313-R16N



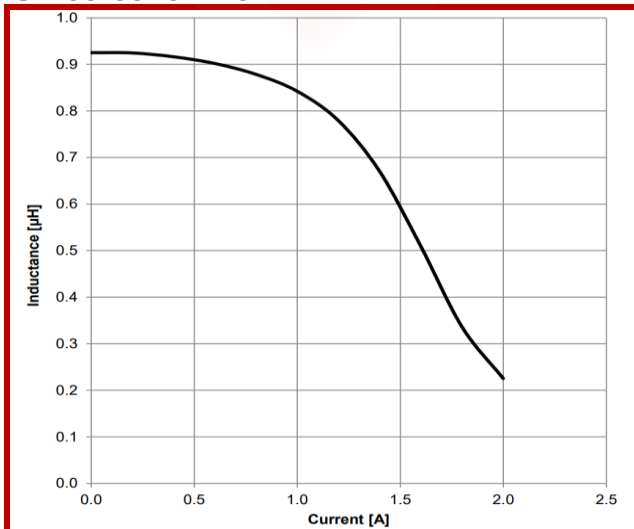
SPI03-0313-R47N



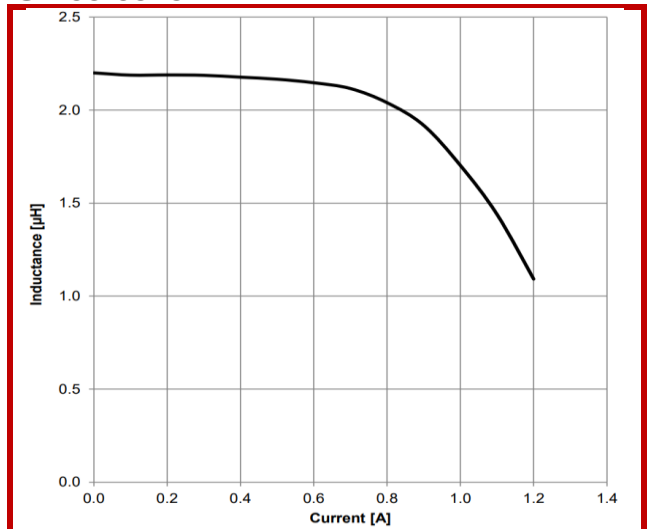
SPI03-0313-R82N



SPI03-0313-1R0N



SPI03-0313-2R2N

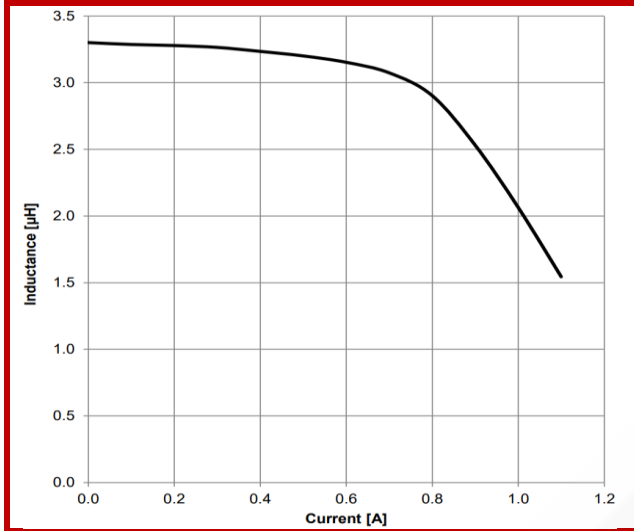




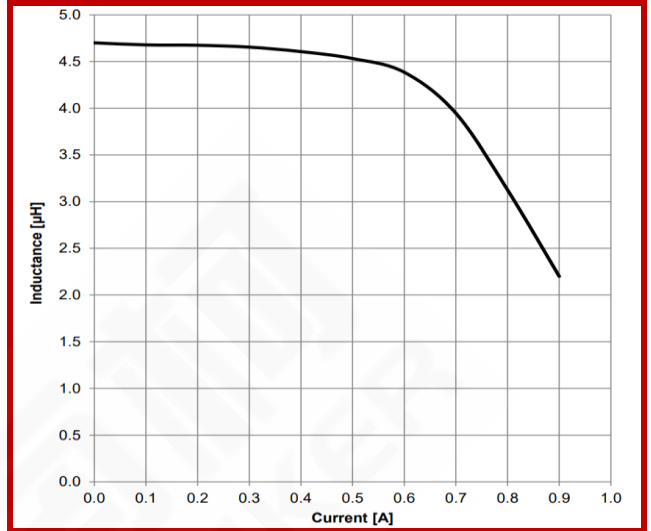
典型电感与电流特性

Typical Inductance vs. Current Characteristics

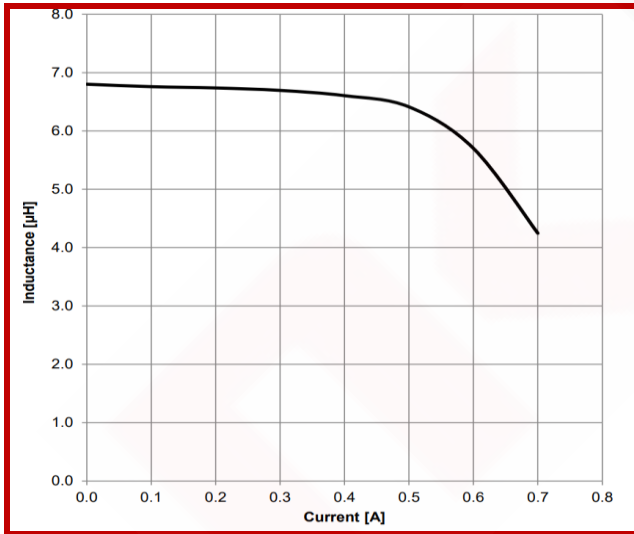
SPI03-0313-3R3N



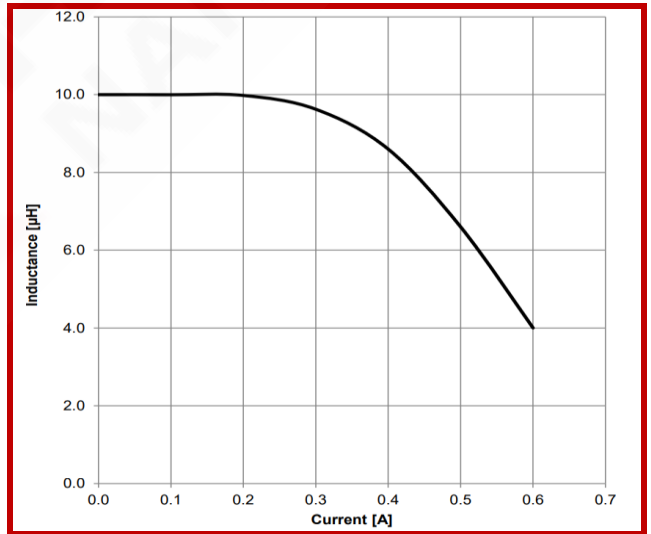
SPI03-0313-4R7N



SPI03-0313-6R8N



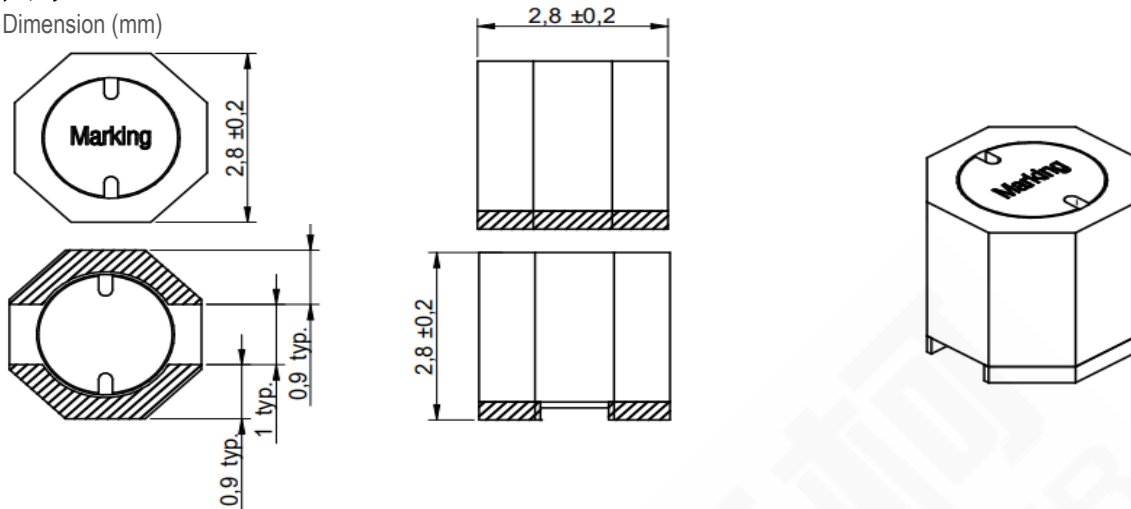
SPI03-0313-100N





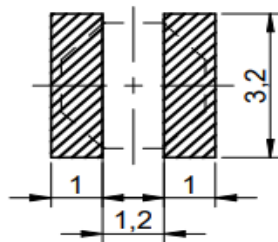
尺寸

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 typ (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packaging Qty pcs
SPI03-0328-R30N	0.30 ±25%	3.90	15.00	5.70	550
SPI03-0328-R47N	0.47 ±25%	3.30	19.00	4.70	550
SPI03-0328-R72N	0.72 ±25%	3.00	23.50	4.00	550
SPI03-0328-1R2N	1.20 ±25%	2.60	36.00	3.00	550
SPI03-0328-2R2N	2.20 ±25%	1.80	57.00	2.40	550
SPI03-0328-3R3N	3.30 ±25%	1.50	85.00	1.80	550
SPI03-0328-4R7N	4.70 ±25%	1.35	100.00	1.70	550

测试状态

Test Condition

☆ 电感测试条件为 100kHz / 1.0mA (25°C)

Inductance measure condition at 100kHz / 1.0mA (25°C)

☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

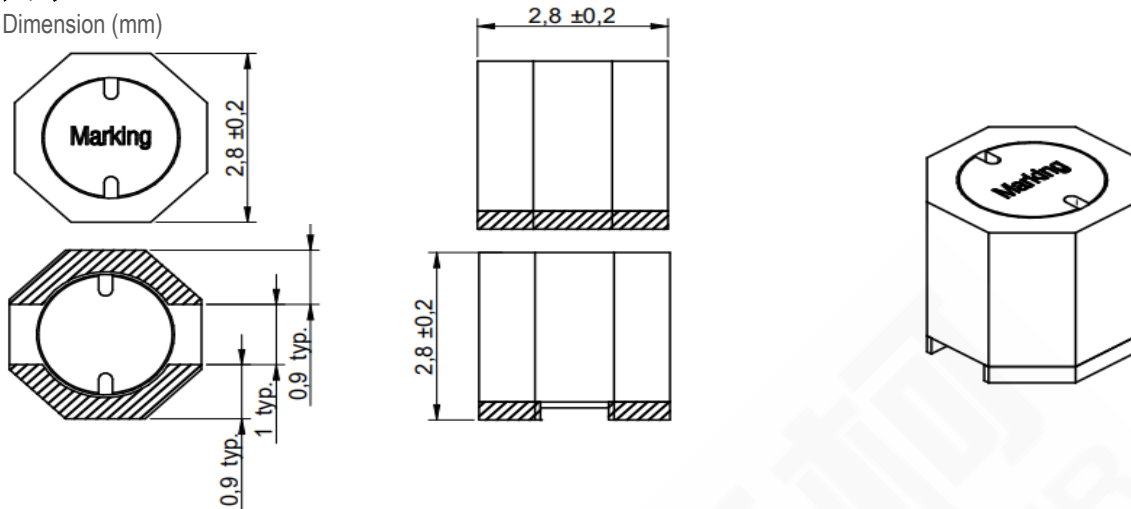
☆ 饱和电流: 电感值下降其初始值的35%时所加载的实际直流电流值

Saturation Current: The actual value of DC current when the inductance drop 35% of initial value



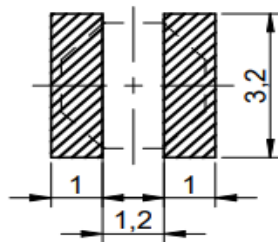
尺寸

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 DCResistance DCR typ (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packaging Qty pcs
SPI03-0328-6R8N	6.80 ±25%	1.10	142	1.30	1,200
SPI03-0328-100N	10.00 ±25%	1.00	170	1.10	1,200
SPI03-0328-150N	15.00 ±25%	0.72	356	0.90	1,200
SPI03-0328-220N	22.00 ±25%	0.50	525	0.75	1,200
SPI03-0328-270N	27.00 ±25%	0.45	745	0.67	1,200
SPI03-0328-330N	33.00 ±25%	0.40	840	0.62	1,200

测试状态

Test Condition

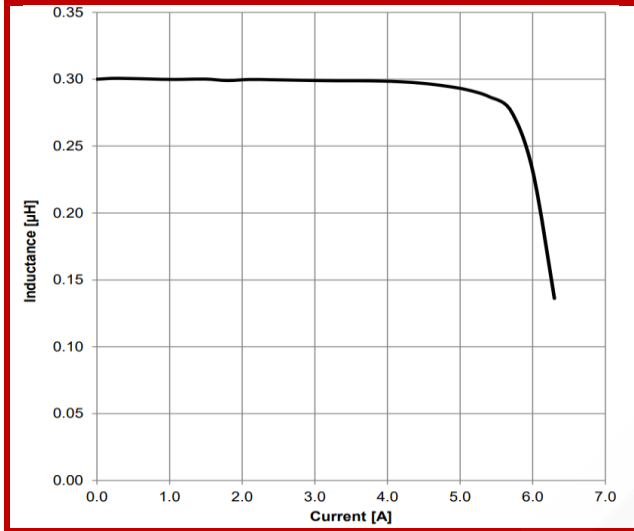
- ☆ 电感测试条件为 100kHz / 1.0mA (25°C)
Inductance measure condition at 100kHz / 1.0mA (25°C)
- ☆ 工作温度: -40°C ~ +125°C
Operating Temperature: -40°C ~ +125°C
- ☆ 饱和电流: 电感值下降其初始值的35%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 35% of initial value



典型阻抗特性

Typical Impedance Characteristics

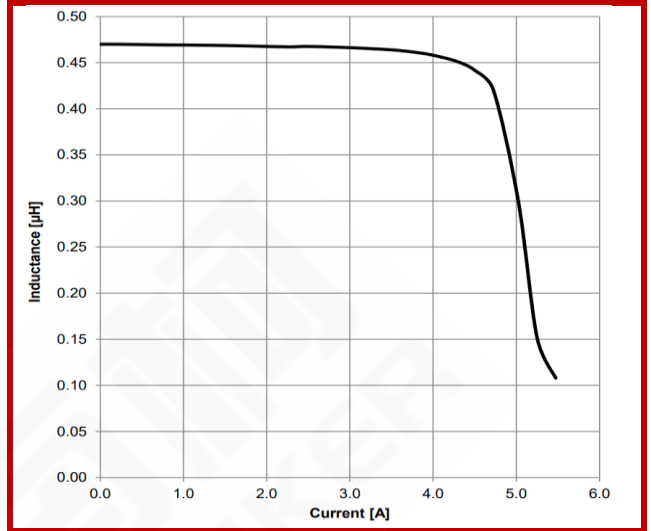
SPI03-0328-R30N



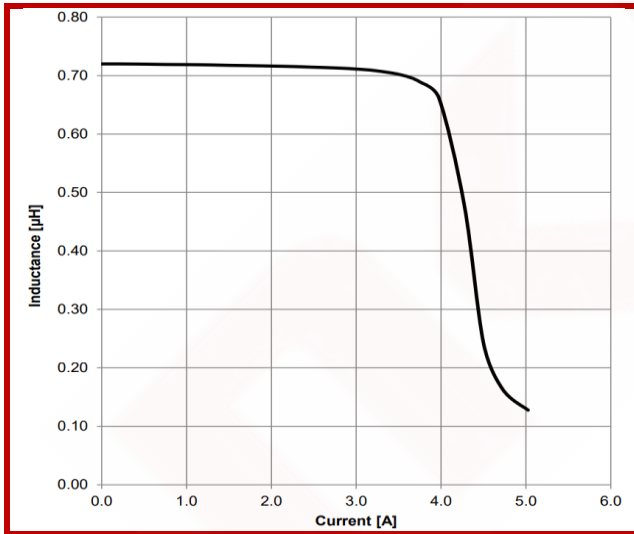
典型电感与电流特性

Typical Inductance vs. Current Characteristics

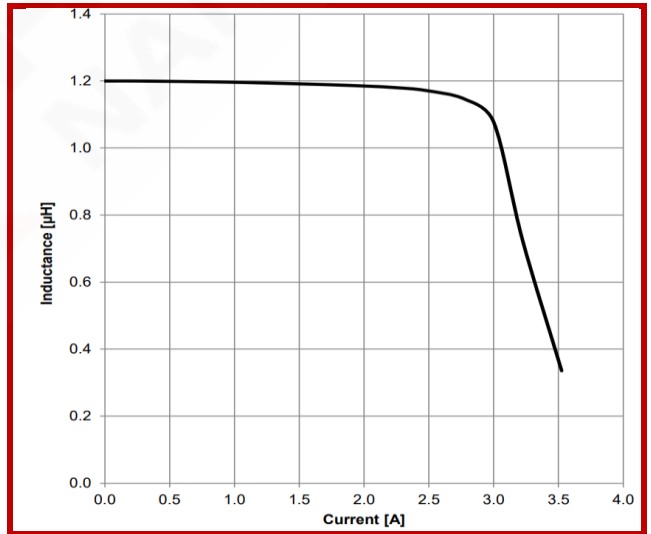
SPI03-0328-R47N



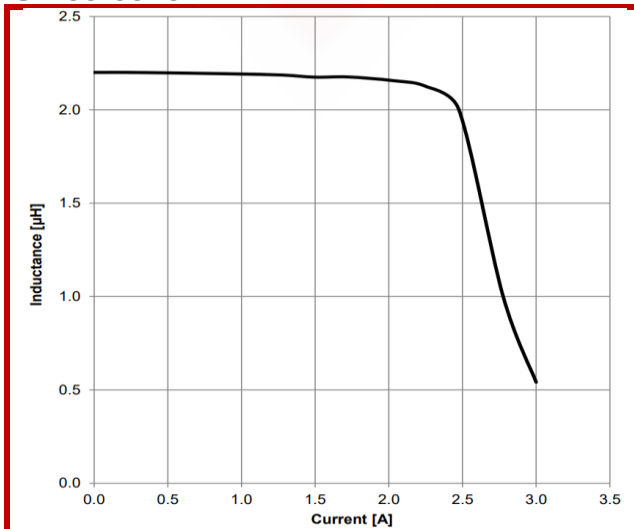
SPI03-0328-R72N



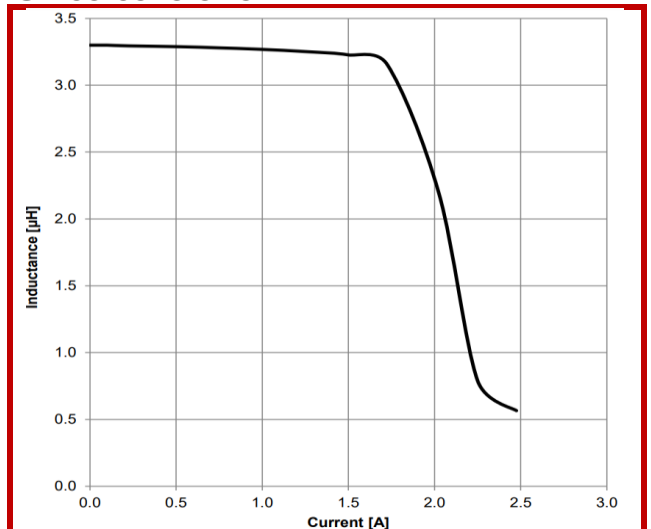
SPI03-0328-1R2N



SPI03-0328-2R2N



SPI03-0328-3R3N

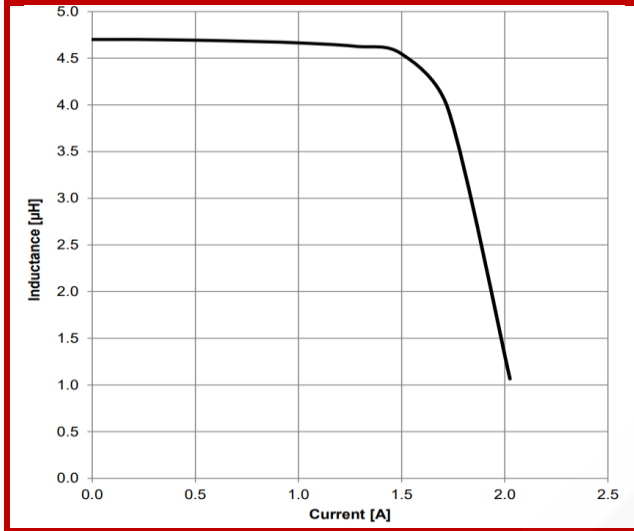




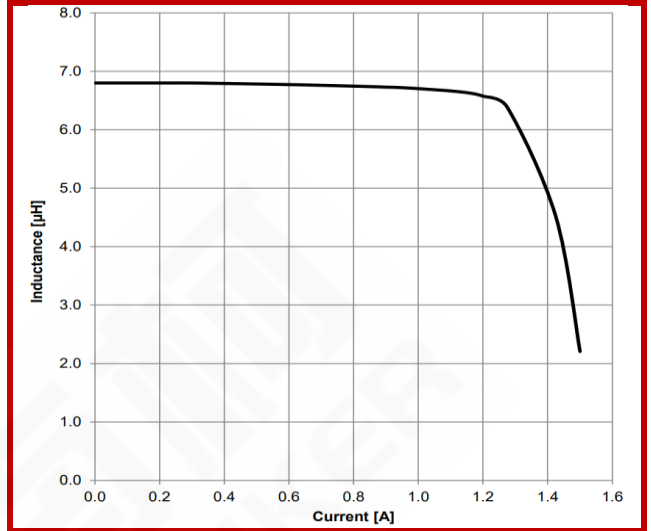
典型电感与电流特性

Typical Inductance vs. Current Characteristics

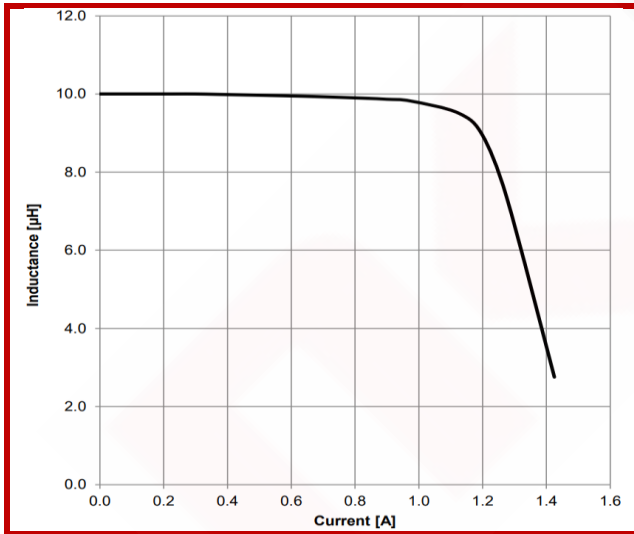
SPI03-0328-4R7N



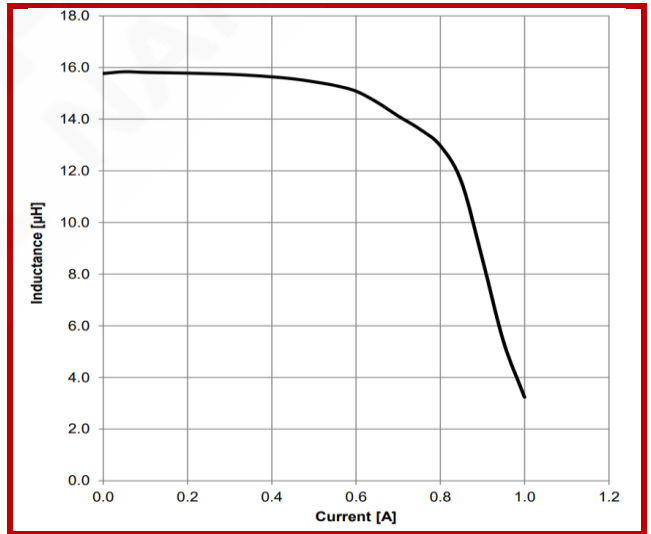
SPI03-0328-6R8N



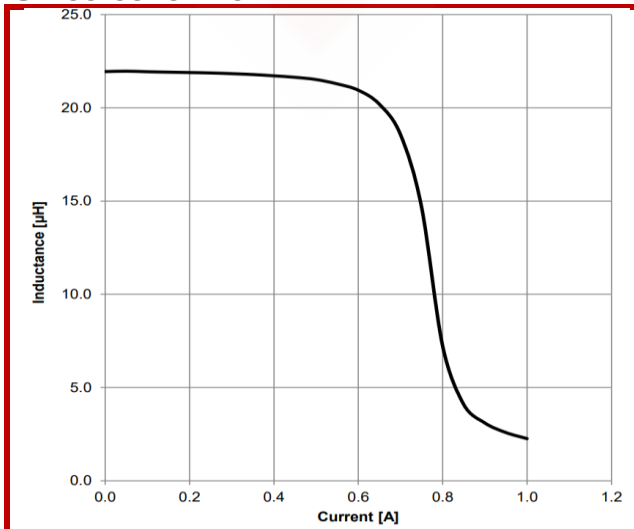
SPI03-0328-100N



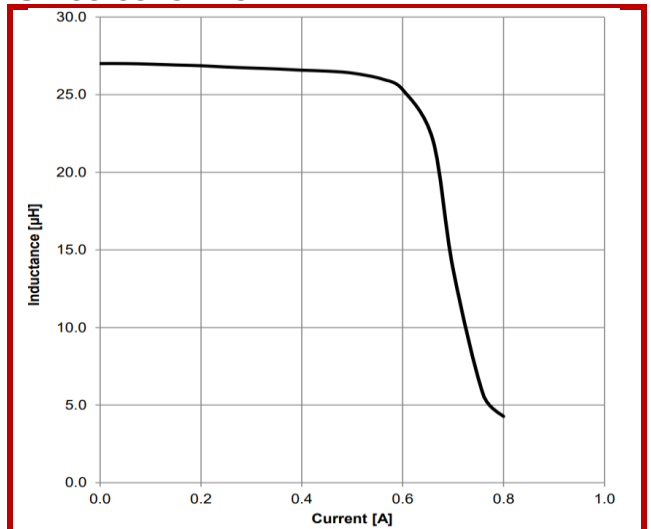
SPI03-0328-150N



SPI03-0328-220N



SPI03-0328-270N

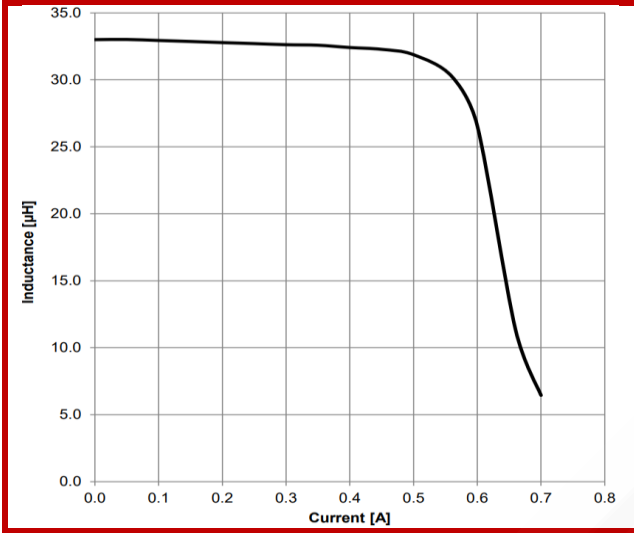




典型电感与电流特性

Typical Inductance vs. Current Characteristics

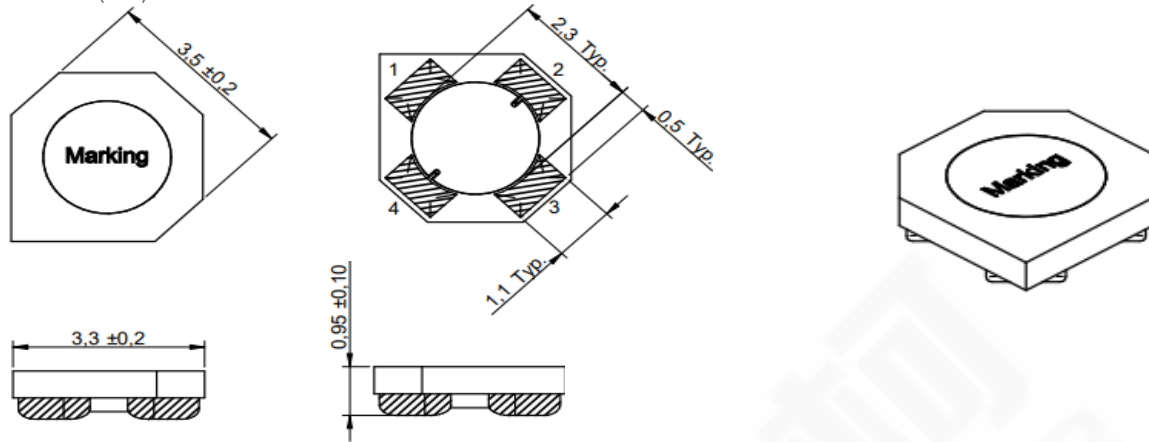
SPI03-0328-330N





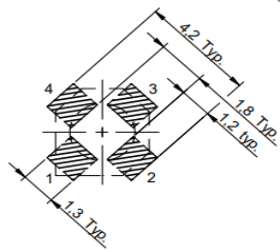
尺寸

Dimension (mm)



焊盘推荐

Land Pattern Recommended (mm)



示意图

Schematics



电性特性

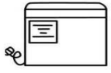
Electrical Properties

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 typ (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packaging Qty pcs
SPI03-0410-R47N	0.47 ±35%	1.45	48	1.80	1,500
SPI03-0410-R68N	0.68 ±35%	1.30	60	1.50	1,500
SPI03-0410-1R2N	1.20 ±35%	1.00	95	1.10	1,500
SPI03-0410-2R2N	2.20 ±35%	0.74	140	0.80	1,500
SPI03-0410-3R3N	3.30 ±35%	0.65	198	0.72	1,500
SPI03-0410-4R7N	4.70 ±35%	0.48	252	0.50	1,500
SPI03-0410-6R8N	6.80 ±35%	0.40	400	0.43	1,500

测试状态

Test Condition

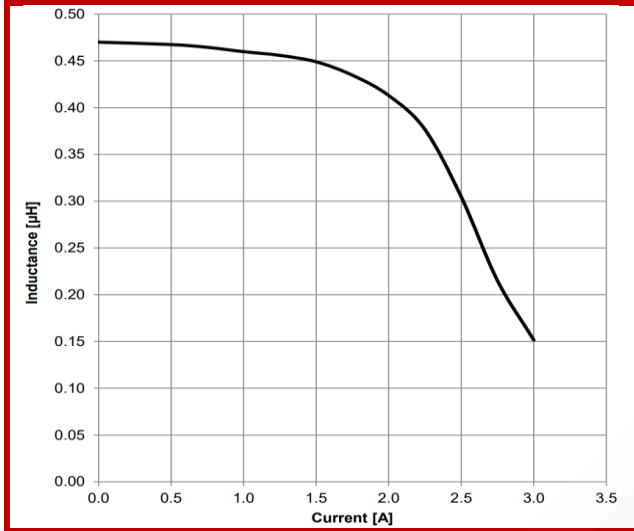
- ☆ 电感测试条件为 100kHz / 100mV (25°C)
Inductance measure condition at 100kHz / 100mV (25°C)
- ☆ 工作温度: -40°C ~ +125°C
Operating Temperature: -40°C ~ +125°C
- ☆ 饱和电流: 电感值下降其初始值的35%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 35% of initial value



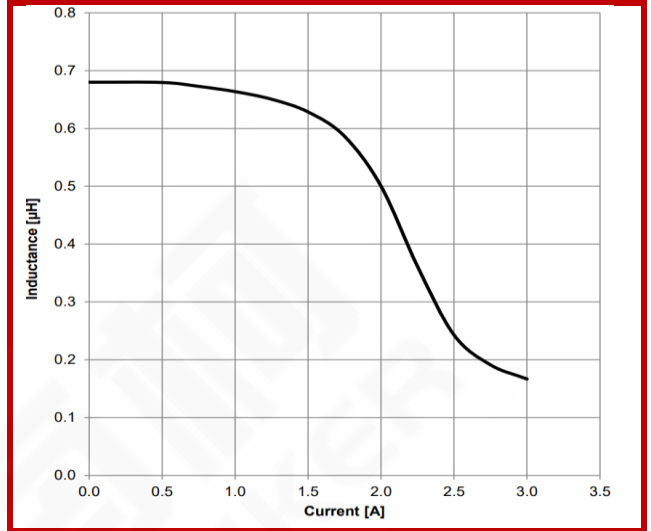
典型电感与电流特性

Typical Inductance vs. Current Characteristics

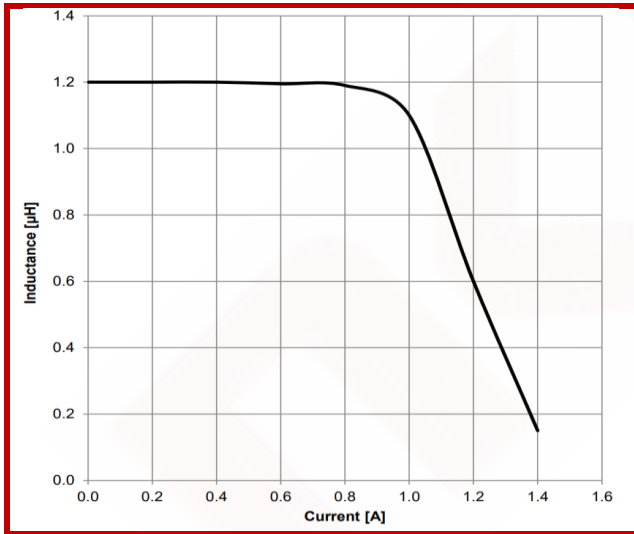
SPI03-0410-R47N



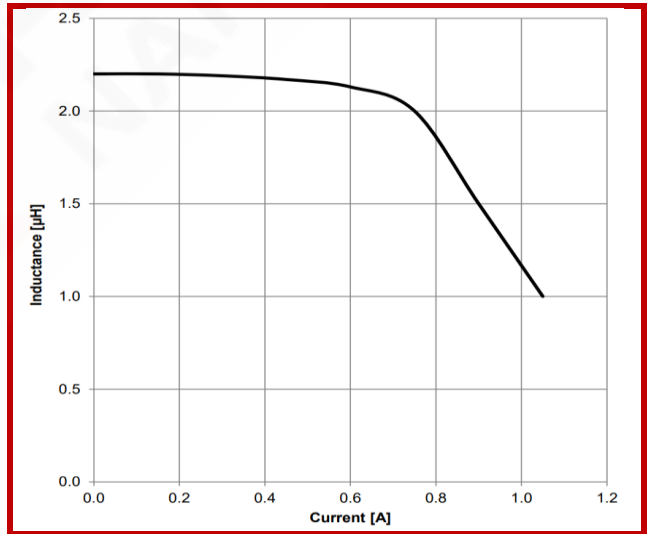
SPI03-0410-R68N



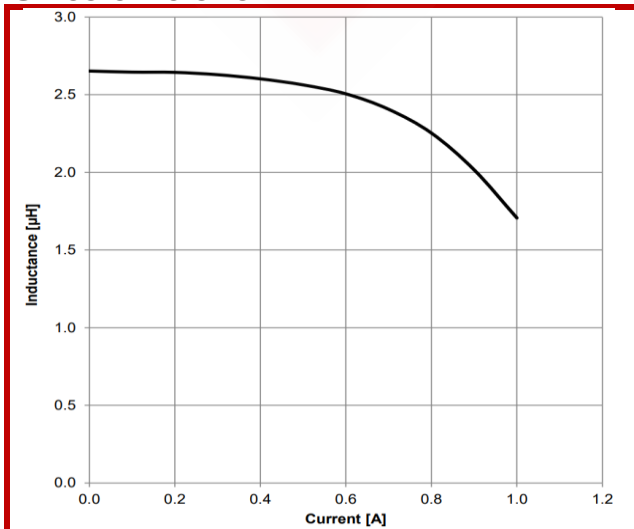
SPI03-0410-1R2N



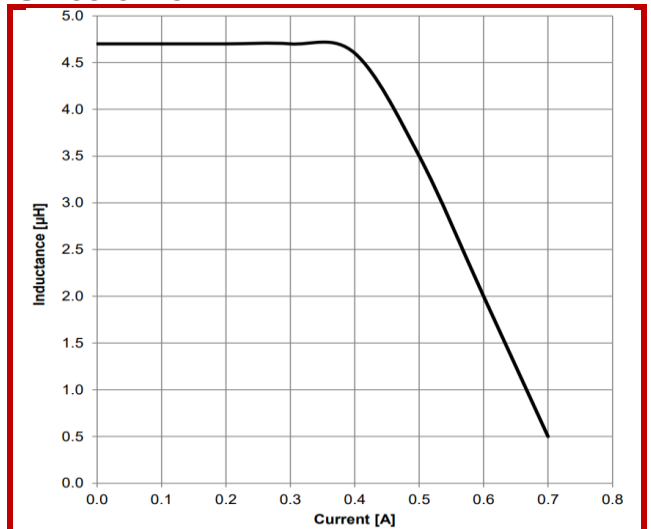
SPI03-0410-2R2N



SPI03-0410-3R3N



SPI03-0410-4R7N

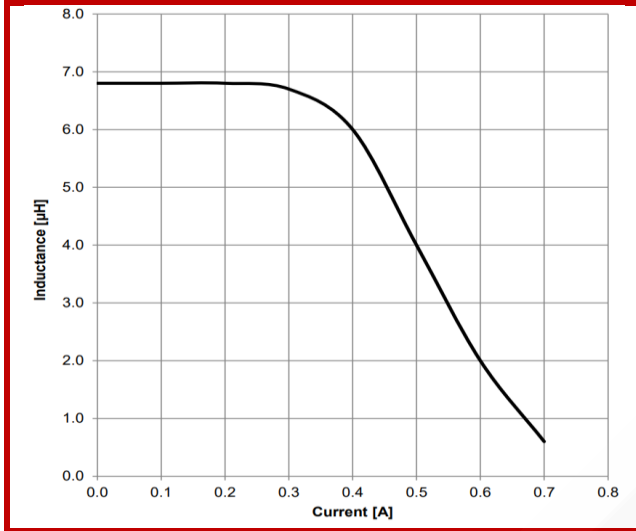




典型电感与电流特性

Typical Inductance vs. Current Characteristics

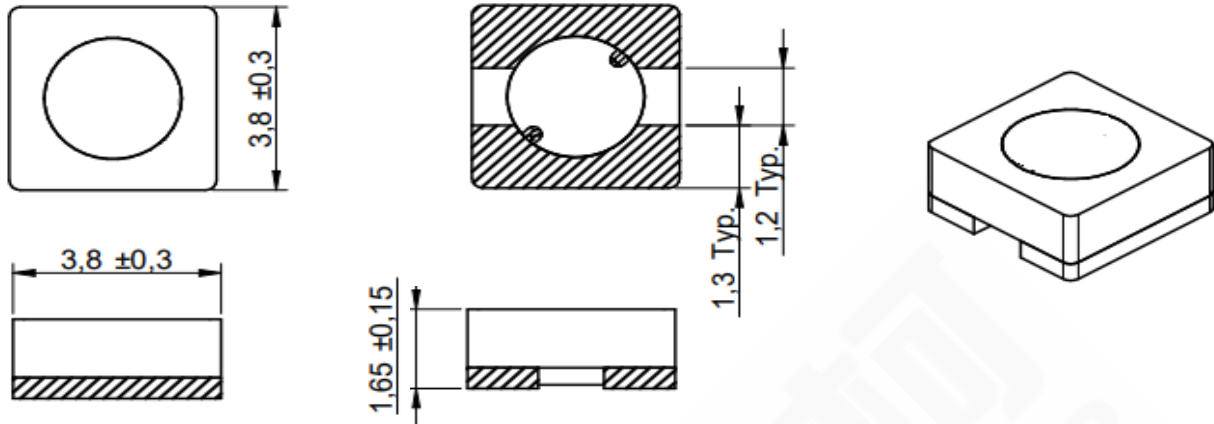
SPI03-0410-6R8N





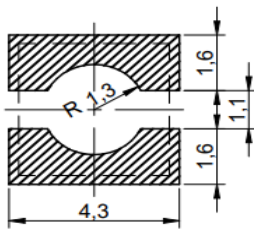
尺寸

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 30°C (A)	直流电阻 DCResistance DCR typ (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packaging Qty pcs
SPI03-0416-R47N	0.47 ±35%	3.00	16	2.00	1,000
SPI03-0416-1R0N	1.00 ±35%	2.00	26	1.60	1,000
SPI03-0416-1R5N	1.50 ±35%	1.75	40	1.55	1,000
SPI03-0416-2R5N	2.50 ±35%	1.45	50	1.25	1,000
SPI03-0416-3R6N	3.60 ±35%	1.38	66	1.10	1,000
SPI03-0416-6R8N	6.80 ±35%	0.85	135	0.75	1,000

测试状态

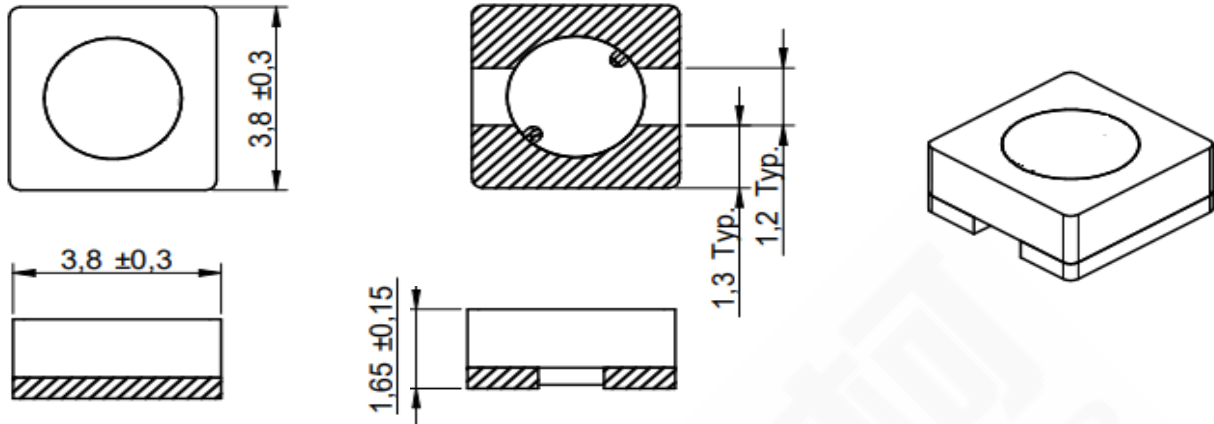
Test Condition

- ☆ 电感测试条件为 100kHz / 100mV (25°C)
Inductance measure condition at 100kHz / 100mV (25°C)
- ☆ 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35%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 35% of initial value



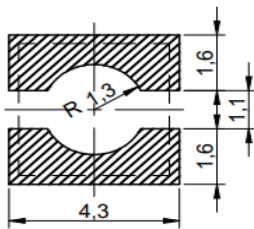
尺寸

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 30°C (A)	直流电阻 DC Resistance DCR typ (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packaging Qty pcs
SPI03-0416-100N	10.00 ±35%	0.74	185	0.56	1,500
SPI03-0416-150N	15.00 ±35%	0.62	255	0.45	1,500
SPI03-0416-220N	22.00 ±35%	0.51	410	0.36	1,500
SPI03-0416-330N	33.00 ±35%	0.42	635	0.32	1,500
SPI03-0416-470N	47.00 ±35%	0.39	940	0.25	1,500
SPI03-0416-680N	68.00 ±35%	0.32	1,150	0.22	1,500
SPI03-0416-101N	100.00 ±35%	0.25	1,930	0.18	1,500

测试状态

Test Condition

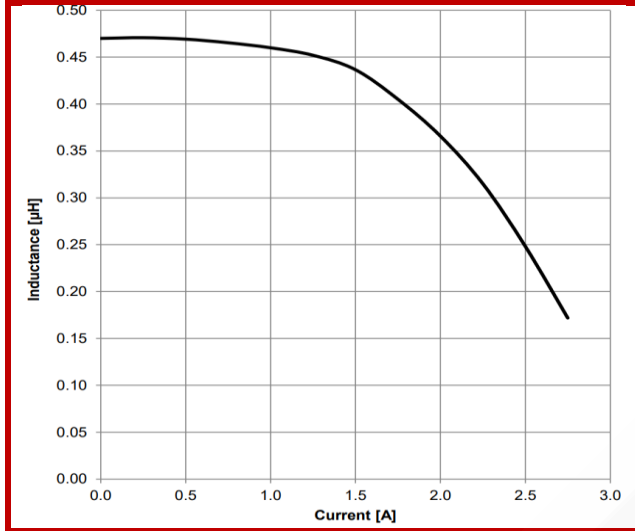
- ☆ 电感测试条件为 100kHz / 100mV (25°C)
Inductance measure condition at 100kHz / 100mV (25°C)
- ☆ 工作温度: -40°C ~ +125°C
Operating Temperature: -40°C ~ +125°C
- ☆ 饱和电流: 电感值下降其初始值的35%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 35% of initial value



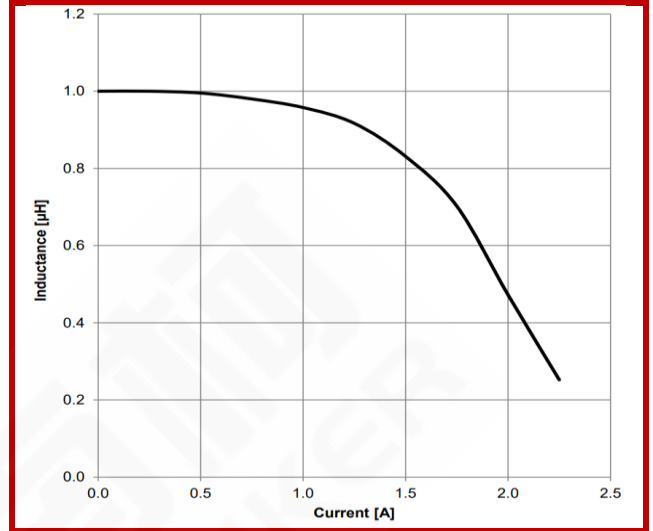
典型电感与电流特性

Typical Inductance vs. Current Characteristics

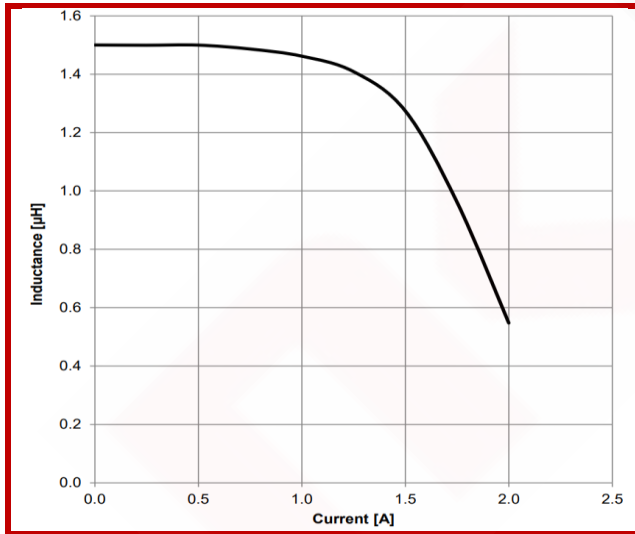
SPI03-0416-R47N



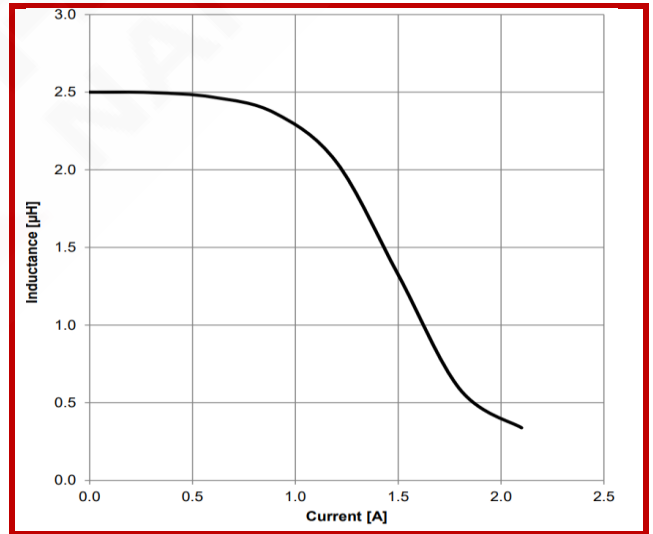
SPI03-0416-1R0N



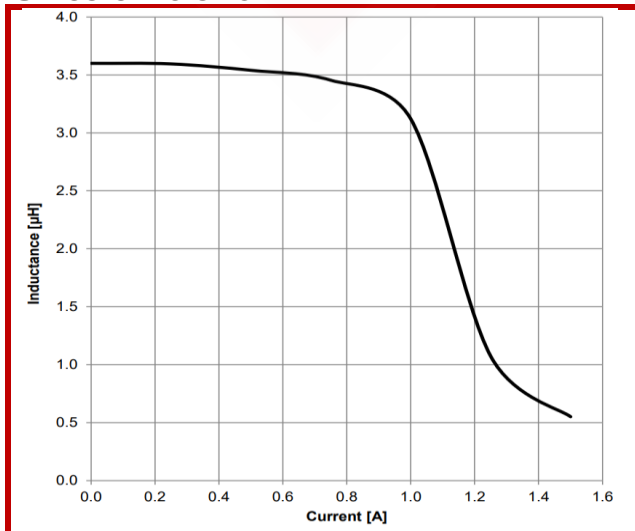
SPI03-0416-1R5N



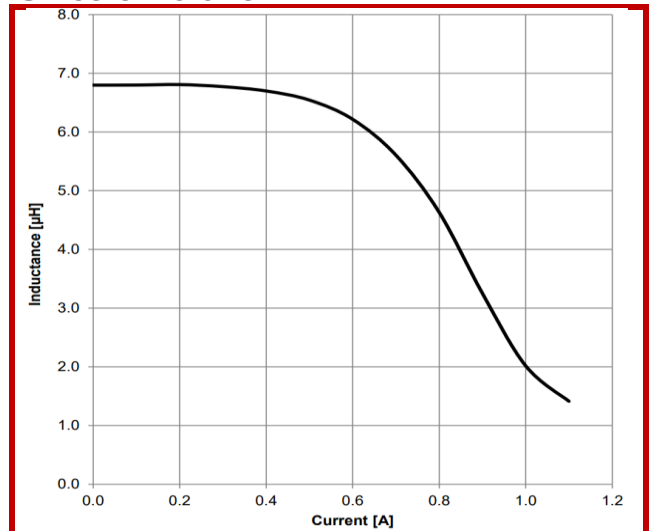
SPI03-0416-2R5N



SPI03-0416-3R6N



SPI03-0416-6R8N

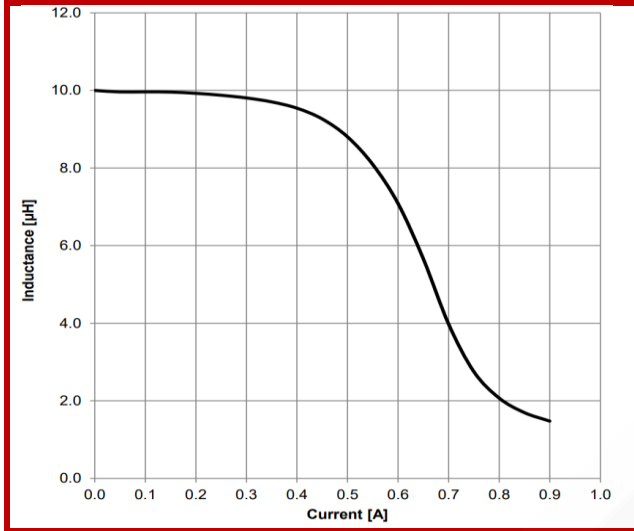




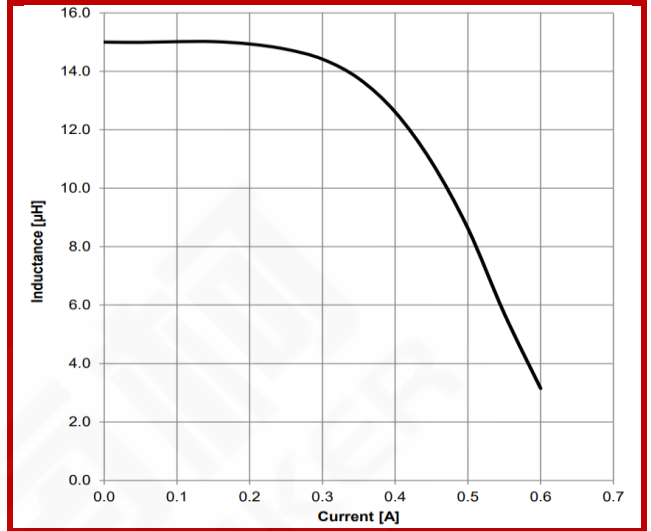
典型电感与电流特性

Typical Inductance vs. Current Characteristics

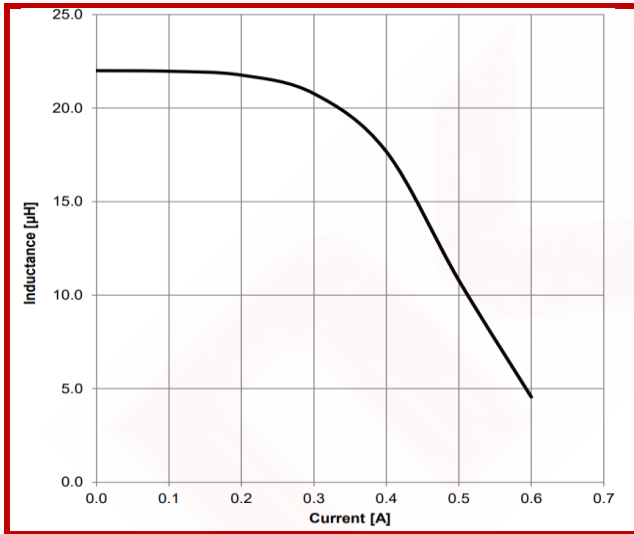
SPI03-0416-100N



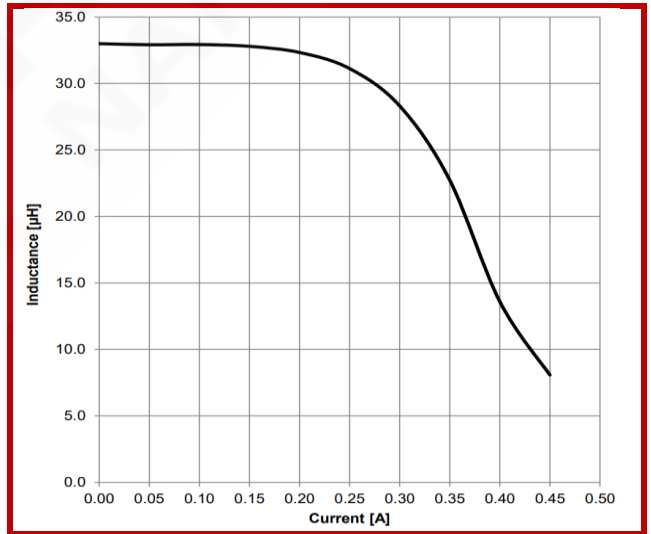
SPI03-0416-150N



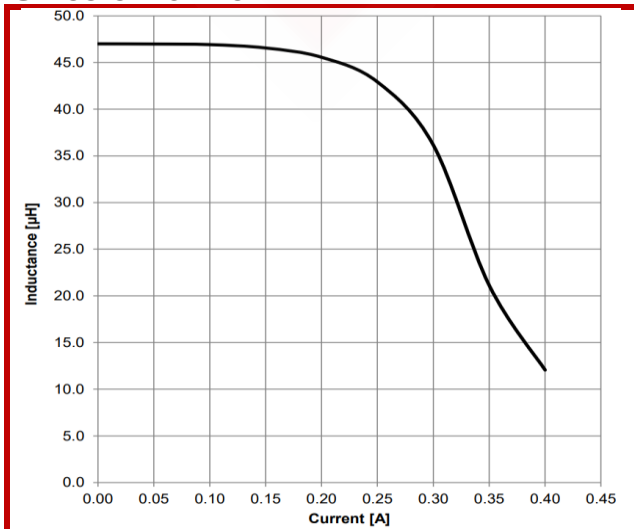
SPI03-0416-220N



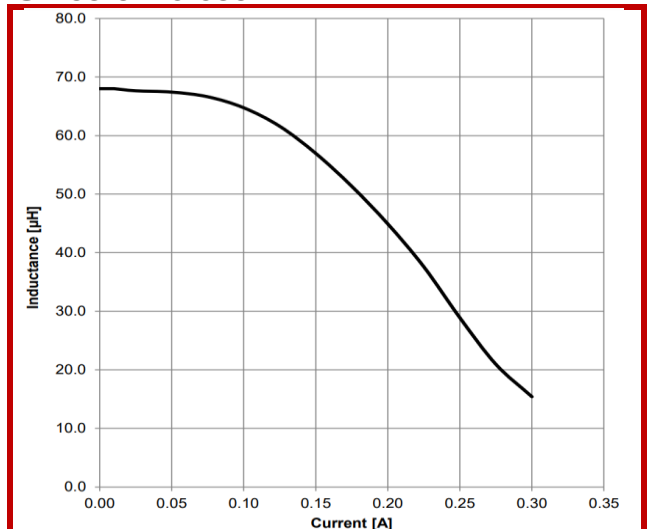
SPI03-0416-330N



SPI03-0416-470N



SPI03-0416-680N

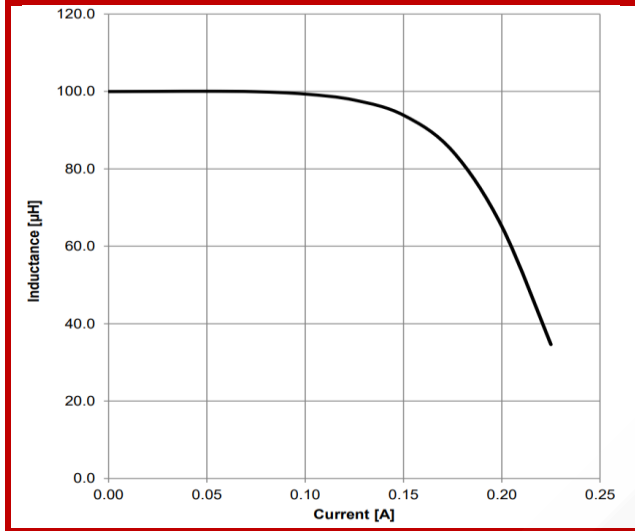




典型电感与电流特性

Typical Inductance vs. Current Characteristics

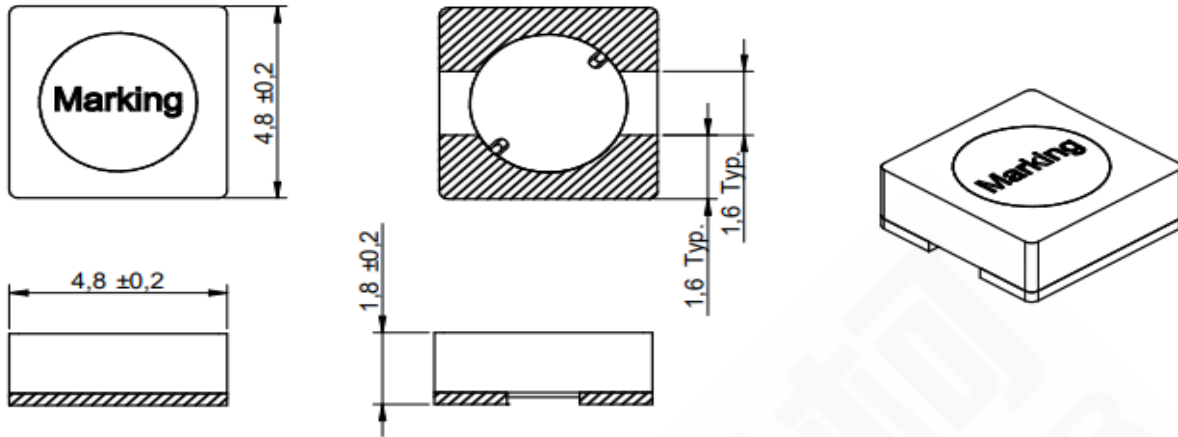
SPI03-0416-101N





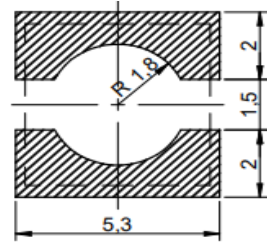
尺寸

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 30°C (A)	直流电阻 DC Resistance DCR typ (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packaging Qty pcs
SPI03-0518-R56N	0.56 ±35%	3.10	19	3.00	800
SPI03-0518-1R0N	1.00 ±35%	2.70	20	2.60	800
SPI03-0518-1R8N	1.80 ±35%	2.35	40	2.40	800
SPI03-0518-2R7N	2.70 ±35%	2.03	47	2.20	800
SPI03-0518-3R3N	3.30 ±35%	1.95	50	1.80	800
SPI03-0518-3R9N	3.90 ±35%	1.82	60	1.70	800
SPI03-0518-4R7N	4.70 ±35%	1.72	70	1.65	800
SPI03-0518-5R6N	5.60 ±35%	1.64	80	1.35	800
SPI03-0518-6R8N	6.80 ±35%	1.50	80	1.25	800
SPI03-0518-8R2N	8.20 ±35%	1.40	100	1.10	800

测试状态

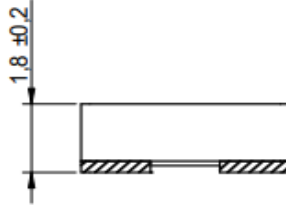
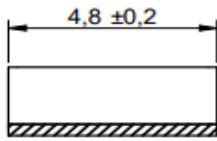
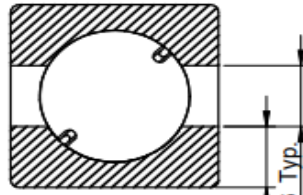
Test Condition

- ☆ 电感测试条件为 100kHz / 100mV (25°C)
Inductance measure condition at 100kHz / 100mV (25°C)
- ☆ 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35%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 35% of initial value



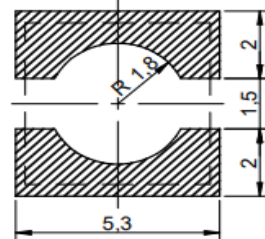
尺寸

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 30°C (A)	直流电阻 DC Resistance DCR typ (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packaging Qty pcs
SPI03-0518-100N	10.00 ±35%	1.30	120	1.00	800
SPI03-0518-120N	12.00 ±35%	1.15	150	0.95	800
SPI03-0518-150N	15.00 ±35%	1.03	190	0.75	800
SPI03-0518-180N	18.00 ±35%	0.92	270	0.70	800
SPI03-0518-220N	22.00 ±35%	0.88	280	0.60	800
SPI03-0518-330N	33.00 ±35%	0.72	382	0.50	800
SPI03-0518-470N	47.00 ±35%	0.62	540	0.45	800
SPI03-0518-680N	68.00 ±35%	0.50	715	0.38	800
SPI03-0518-101N	100.00 ±35%	0.40	1,170	0.30	800
SPI03-0518-221N	220.00 ±35%	0.20	2,880	0.16	800
SPI03-0518-331N	330.00 ±35%	0.15	4,100	0.13	800

测试状态

Test Condition

☆ 电感测试条件为 100kHz / 100mV (25°C)

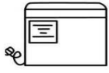
Inductance measure condition at 100kHz / 100mV (25°C)

☆ 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35%时所加载的实际直流电流值

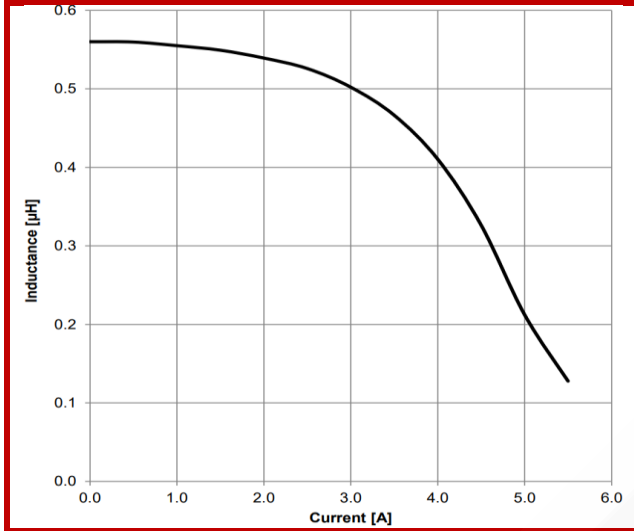
Saturation Current: The actual value of DC current when the inductance drop 35% of initial value



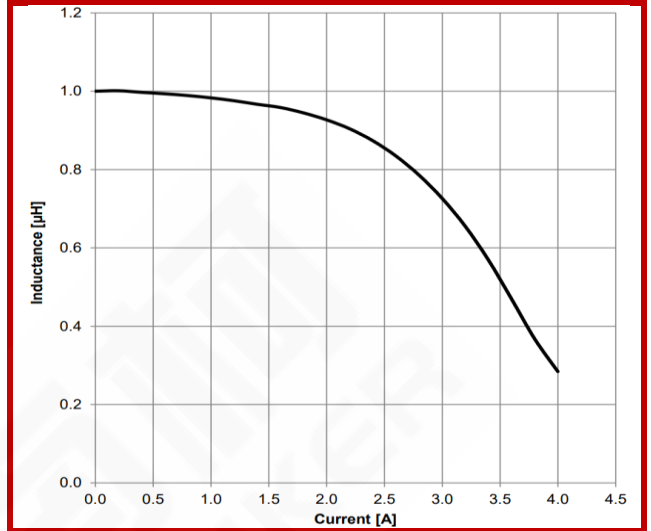
典型电感与电流特性

Typical Inductance vs. Current Characteristics

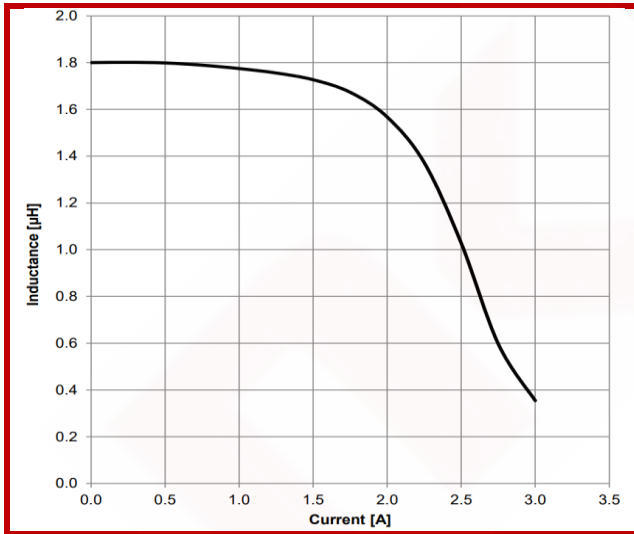
SPI03-0518-R56N



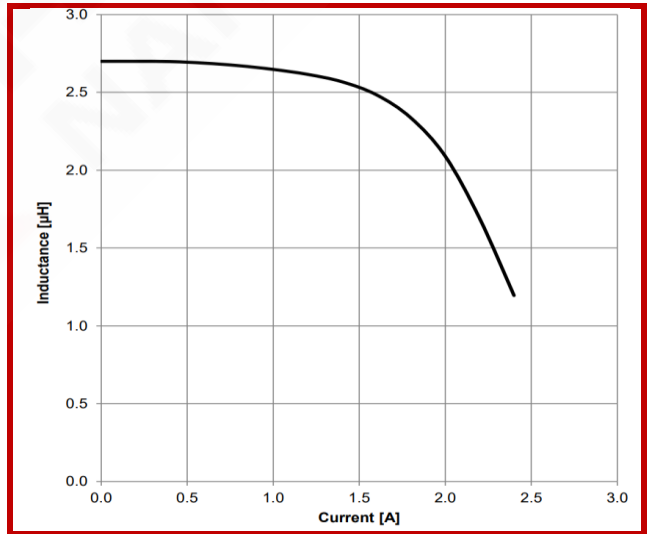
SPI03-0518-1R0N



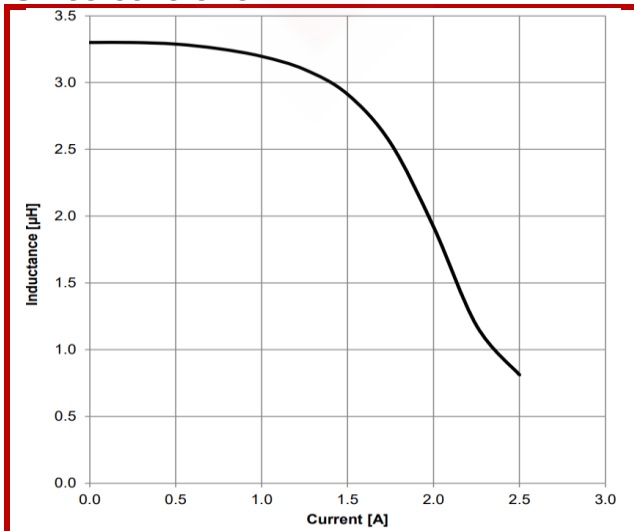
SPI03-0518-1R8N



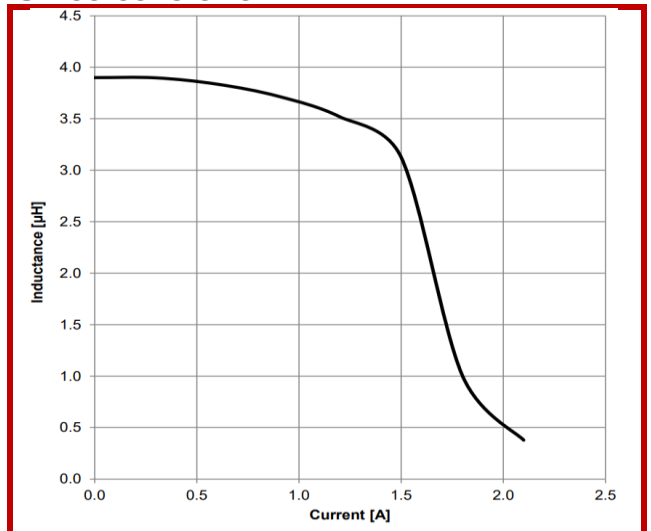
SPI03-0518-2R7N

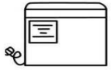


SPI03-0518-3R3N



SPI03-0518-3R9N

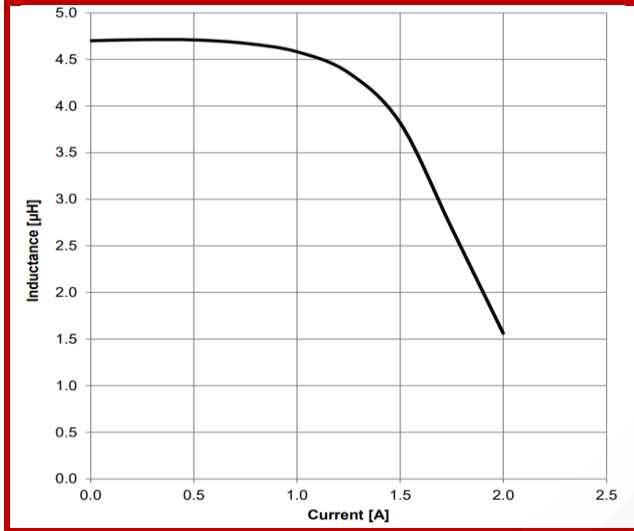




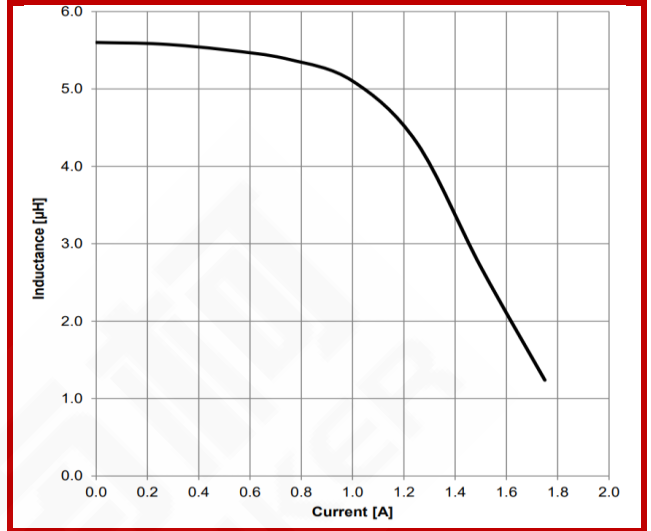
典型电感与电流特性

Typical Inductance vs. Current Characteristics

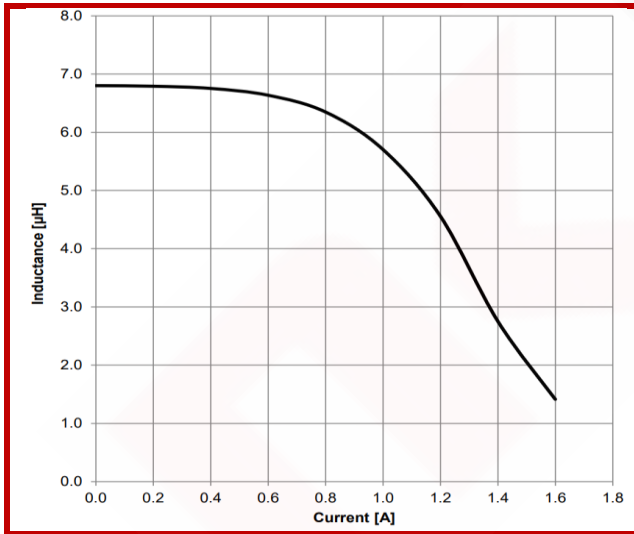
SPI03-0518-4R7N



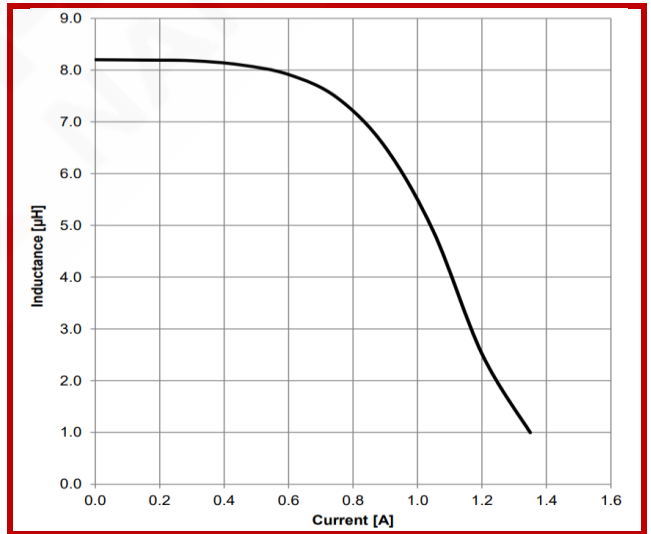
SPI03-0518-5R6N



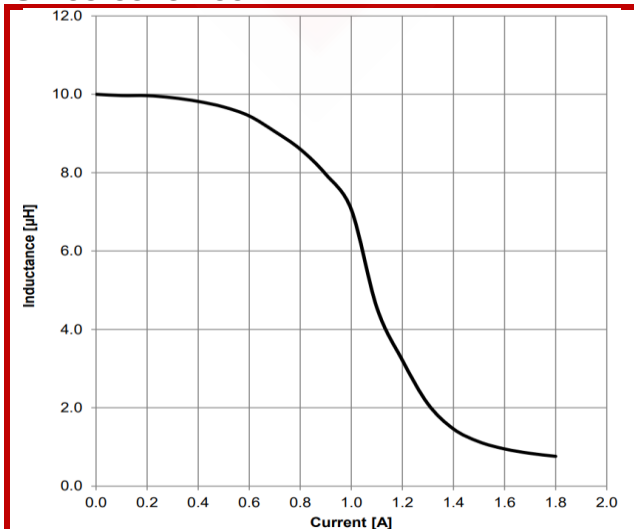
SPI03-0518-6R8N



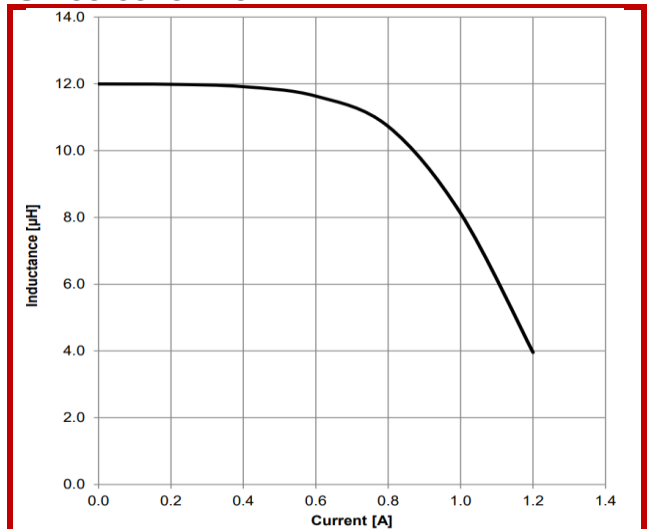
SPI03-0518-8R2N



SPI03-0518-100N



SPI03-0518-120N

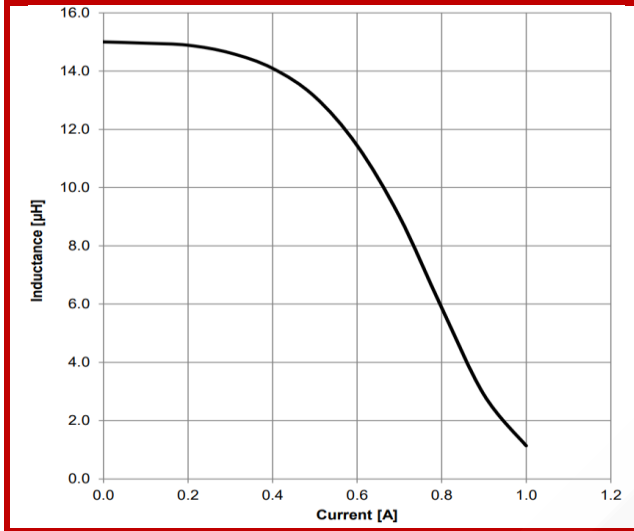




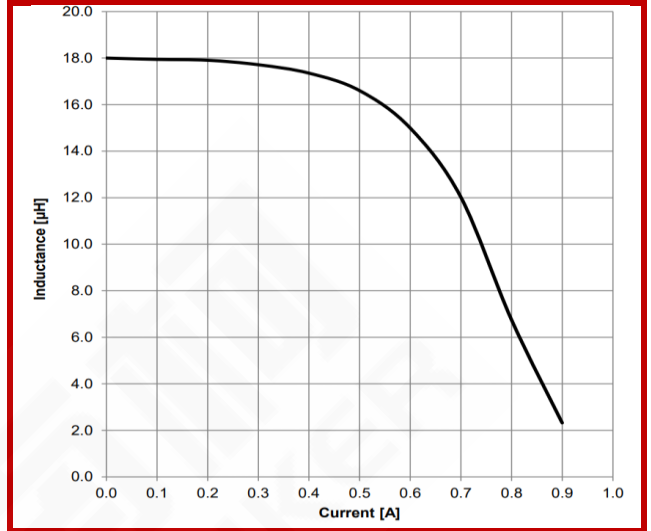
典型电感与电流特性

Typical Inductance vs. Current Characteristics

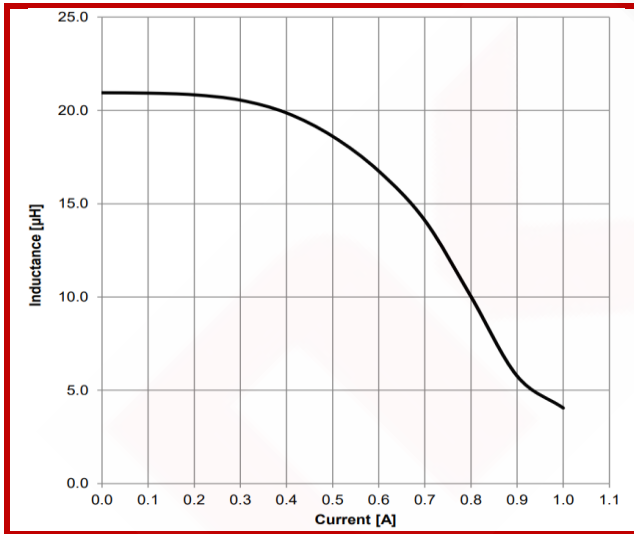
SPI03-0518-150N



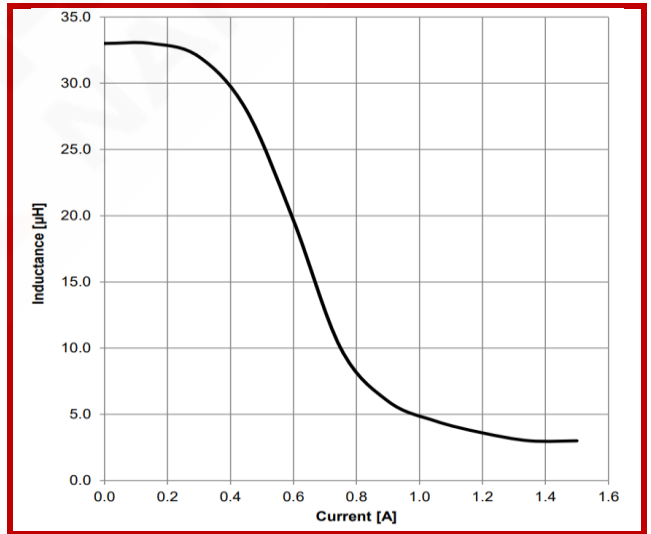
SPI03-0518-180N



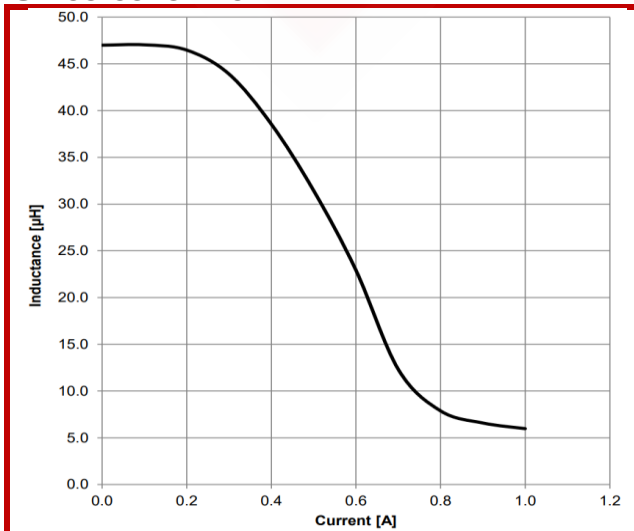
SPI03-0518-220N



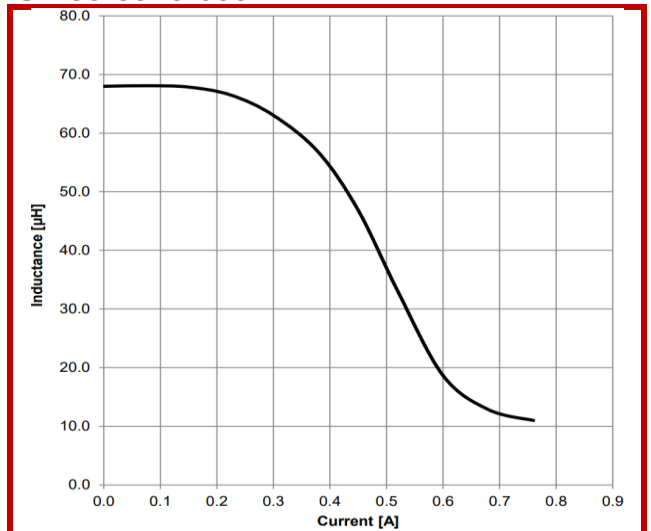
SPI03-0518-330N



SPI03-0518-470N



SPI03-0518-680N

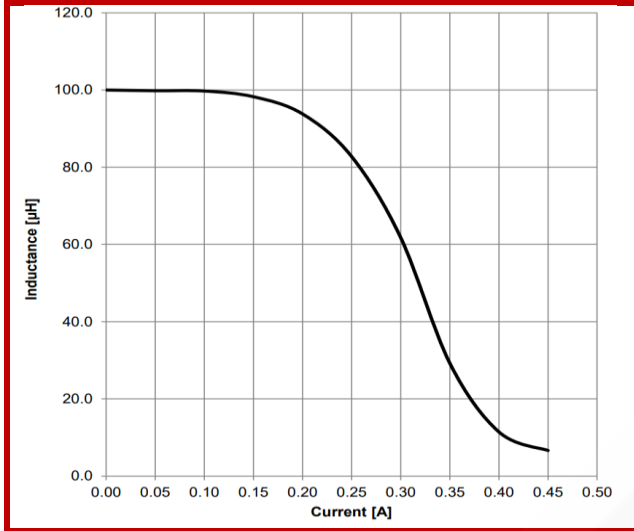




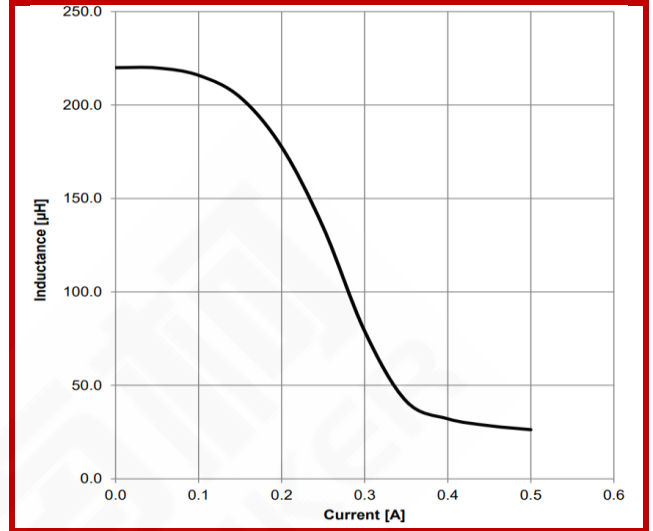
典型电感与电流特性

Typical Inductance vs. Current Characteristics

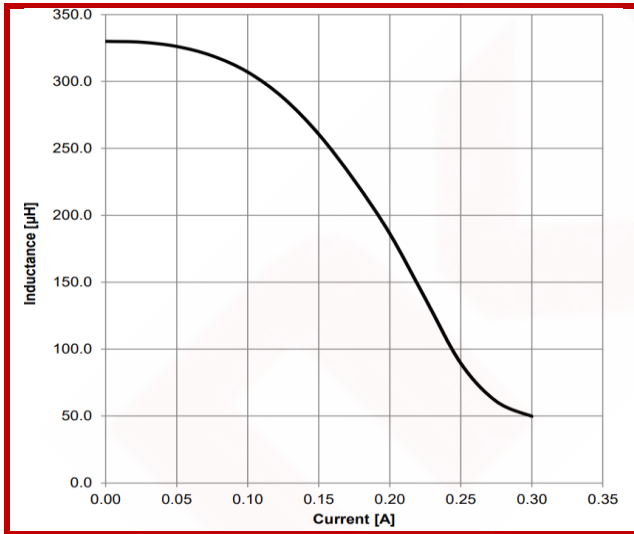
SPI03-0518-101N



SPI03-0518-221N



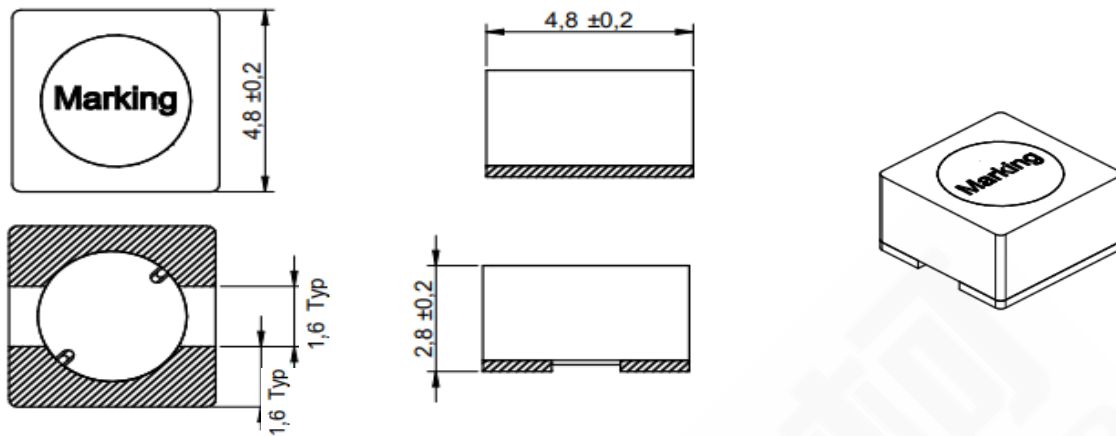
SPI03-0518-331N





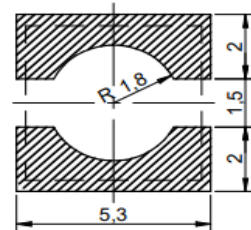
尺寸

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 30°C (A)	直流电阻 DC Resistance DCR typ (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packaging Qty pcs
SPI03-0528-R33N	0.33 ±30%	4.00	8.00	6.00	500
SPI03-0528-R47N	0.47 ±30%	3.80	10.00	5.00	500
SPI03-0528-R82N	0.82 ±30%	3.50	14.00	3.70	500
SPI03-0528-1R2N	1.20 ±30%	3.10	17.00	2.80	500
SPI03-0528-1R8N	1.80 ±30%	2.70	20.00	2.45	500
SPI03-0528-2R2N	2.20 ±30%	2.50	27.00	2.35	500
SPI03-0528-2R7N	2.70 ±30%	2.35	25.00	1.95	500
SPI03-0528-3R3N	3.30 ±30%	2.15	30.00	1.80	500
SPI03-0528-3R9N	3.90 ±30%	1.72	50.00	1.65	500
SPI03-0528-4R7N	4.70 ±30%	1.55	50.00	1.70	500
SPI03-0528-5R6N	5.60 ±30%	1.38	70.00	1.30	500

测试状态

Test Condition

☆ 电感测试条件为 100 kHz/ 100 mV (25°C)

Inductance measure condition at 100kHz / 100mV (25°C)

☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

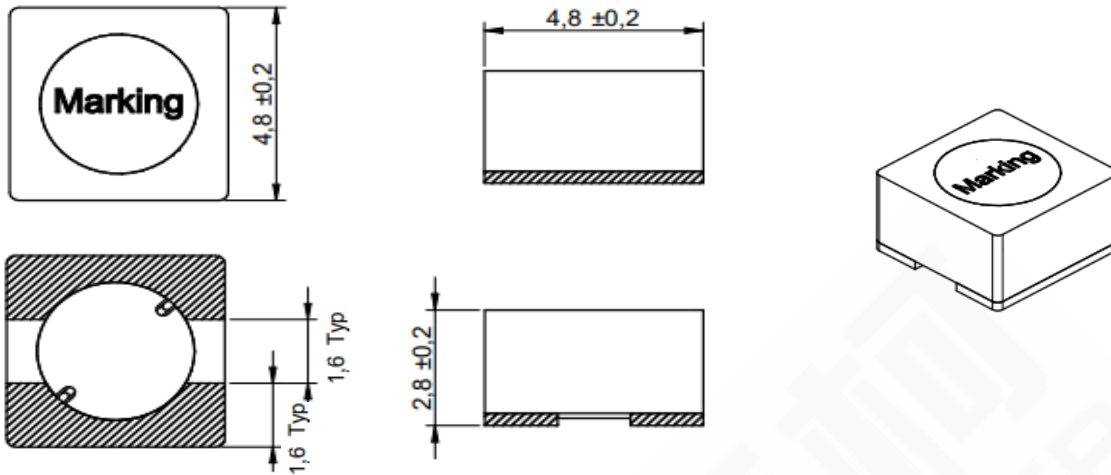
☆ 饱和电流: 电感值下降其初始值的35%时所加载的实际直流电流值

Saturation Current: The actual value of DC current when the inductance drop 35% of initial value



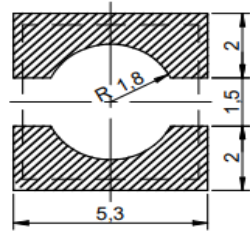
尺寸

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 30°C (A)	直流电阻 DC Resistance DCR typ (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packaging Qty pcs
SPI03-0528-6R8N	6.80 ±30%	1.30	80	1.25	500
SPI03-0528-8R2N	8.20 ±30%	1.30	80	1.25	500
SPI03-0528-100N	10.00 ±30%	1.19	95	1.00	500
SPI03-0528-120N	12.00 ±30%	1.12	100	0.95	500
SPI03-0528-150N	15.00 ±30%	1.03	120	0.75	500
SPI03-0528-180N	18.00 ±30%	0.98	150	0.70	500
SPI03-0528-220N	22.00 ±30%	0.93	160	0.70	500
SPI03-0528-270N	27.00 ±30%	0.89	170	0.60	500
SPI03-0528-330N	33.00 ±30%	0.82	195	0.55	500
SPI03-0528-390N	39.00 ±30%	0.80	215	0.50	500

测试状态

Test Condition

☆ 电感测试条件为 100 kHz/ 100 mV (25°C)

Inductance measure condition at 100kHz / 100mV (25°C)

☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

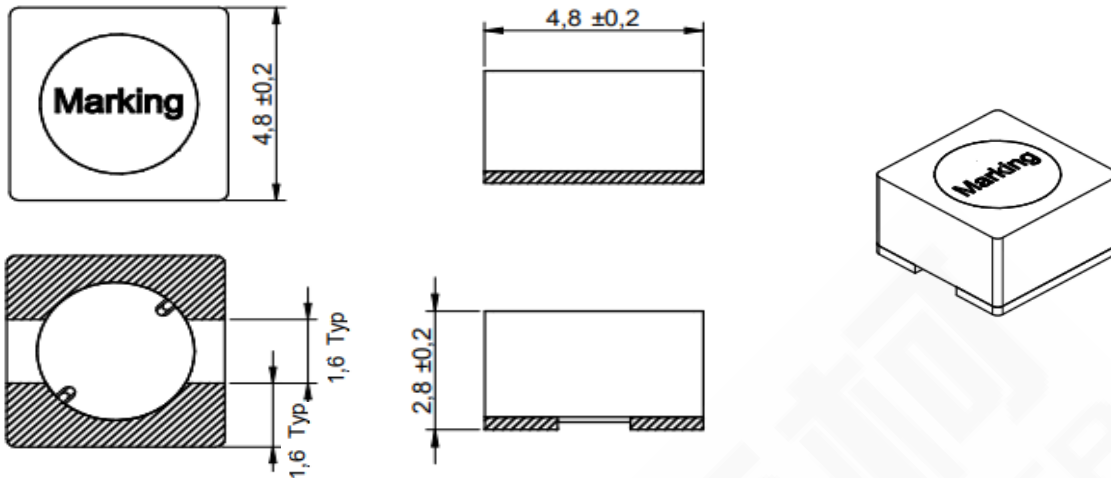
☆ 饱和电流: 电感值下降其初始值的35%时所加载的实际直流电流值

Saturation Current: The actual value of DC current when the inductance drop 35% of initial value



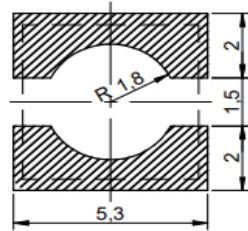
尺寸

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 30°C (A)	直流电阻 DC Resistance DCR typ (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packaging Qty pcs
SPI03-0528-470N	47 ±30%	0.75	250	0.50	500
SPI03-0528-680N	68 ±30%	0.63	340	0.40	500
SPI03-0528-101N	100 ±30%	0.51	550	0.29	500
SPI03-0528-151N	150 ±30%	0.42	770	0.22	500
SPI03-0528-221N	220 ±30%	0.34	1,008	0.20	500
SPI03-0528-331N	330 ±30%	0.29	1,630	0.17	500
SPI03-0528-471N	470 ±30%	0.24	2,128	0.13	500
SPI03-0528-561N	560 ±30%	0.22	2,610	0.11	500
SPI03-0528-102N	1,000 ±30%	0.14	5,400	0.08	500
SPI03-0528-152N	1,500 ±30%	0.09	6,800	0.05	500

测试状态

Test Condition

☆ 电感测试条件为 100 kHz / 100 mV (25°C)

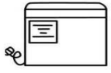
Inductance measure condition at 100kHz / 100mV (25°C)

☆ 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35%时所加载的实际直流电流值

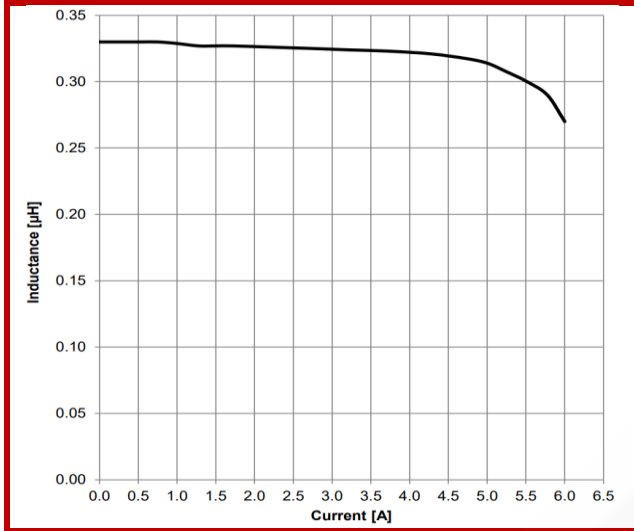
Saturation Current: The actual value of DC current when the inductance drop 35% of initial value



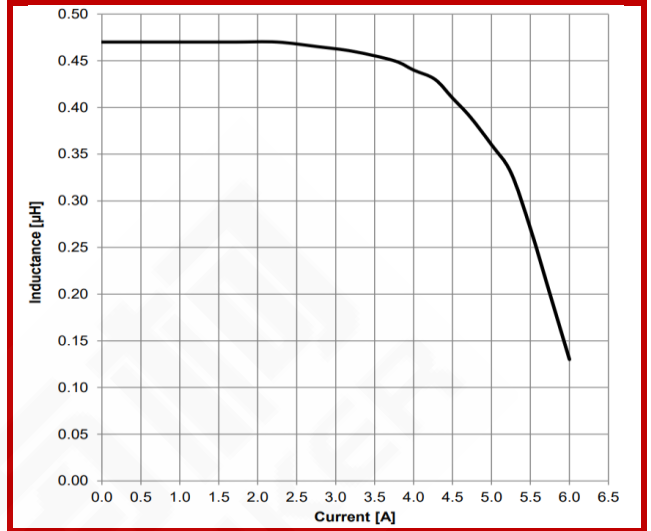
典型电感与电流特性

Typical Inductance vs. Current Characteristics

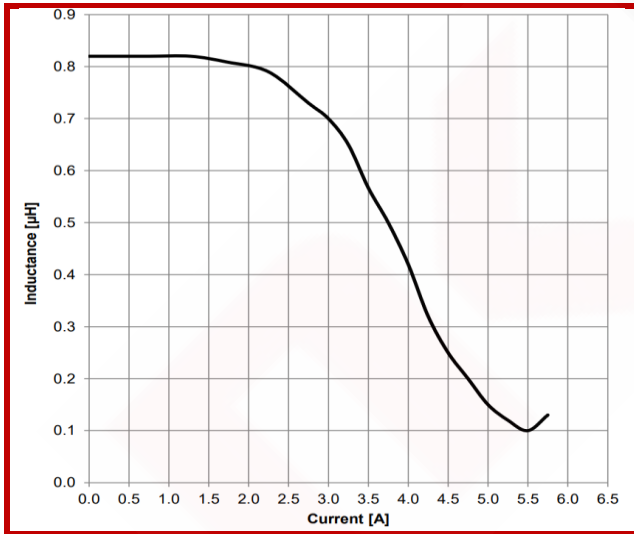
SPI03-0528-R33N



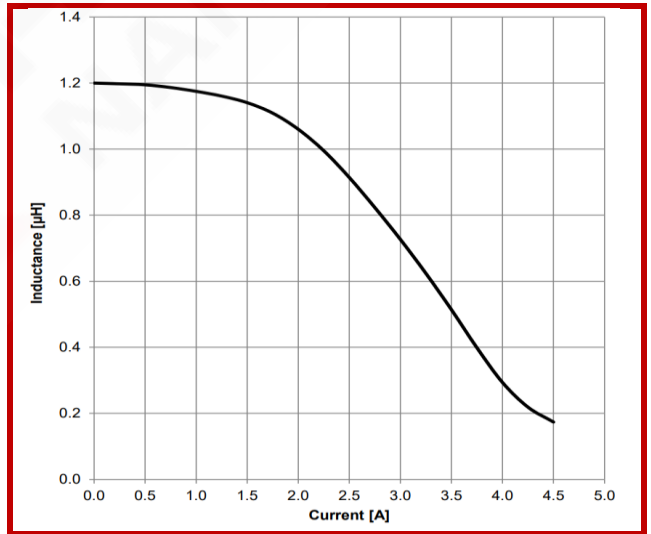
SPI03-0528-R47N



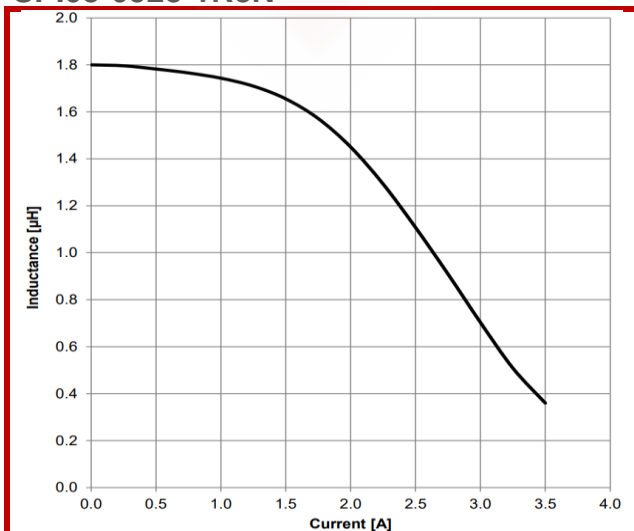
SPI03-0528-R82N



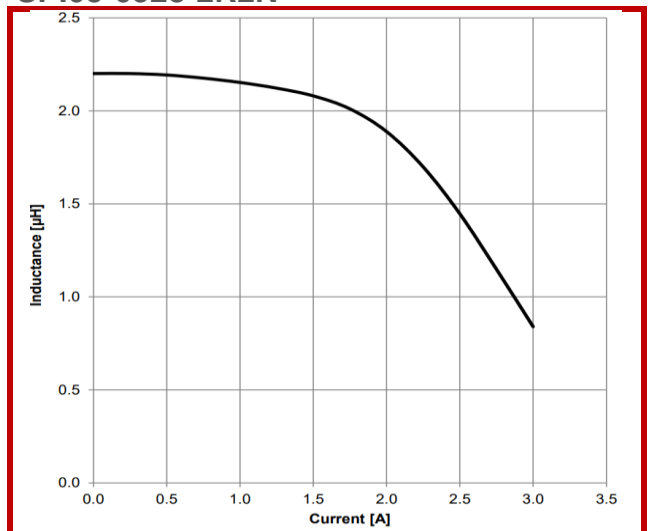
SPI03-0528-1R2N

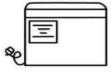


SPI03-0528-1R8N



SPI03-0528-2R2N

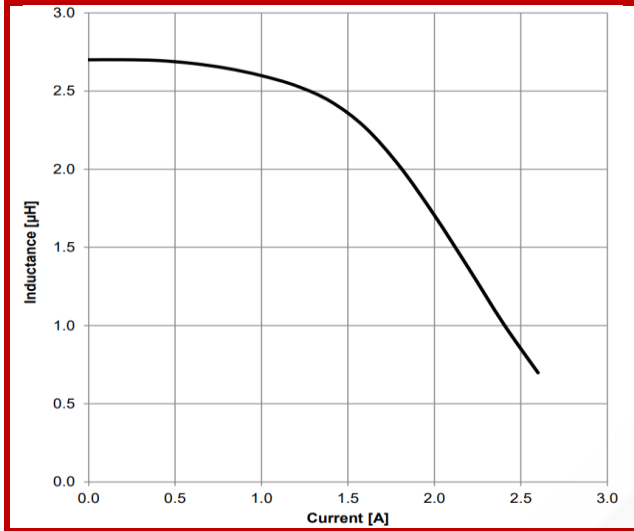




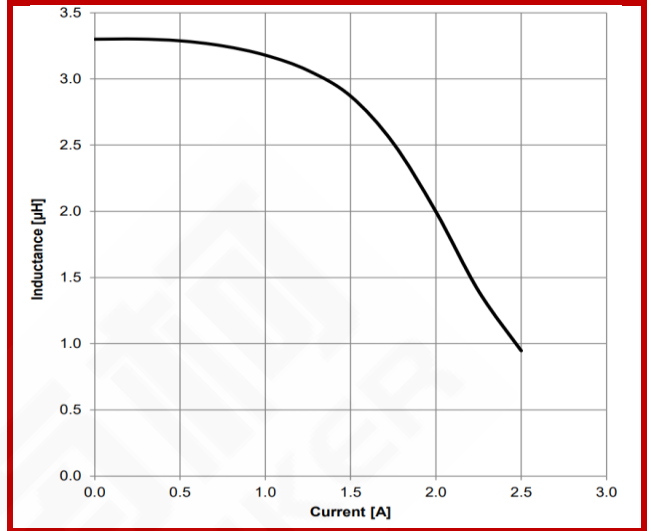
典型电感与电流特性

Typical Inductance vs. Current Characteristics

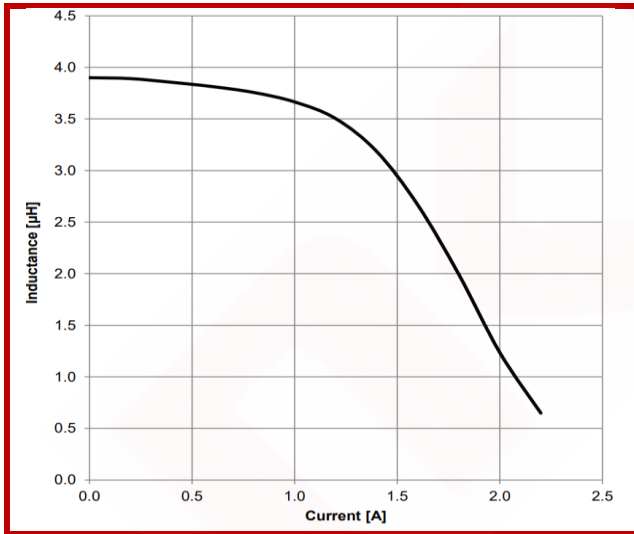
SPI03-0528-2R7N



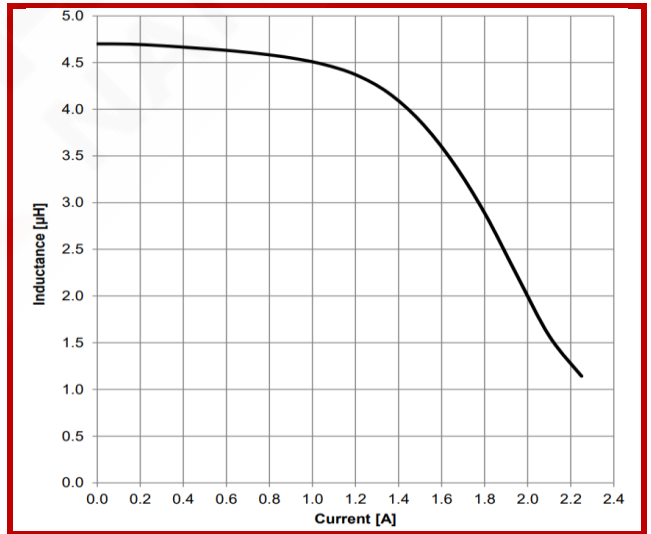
SPI03-0528-3R3N



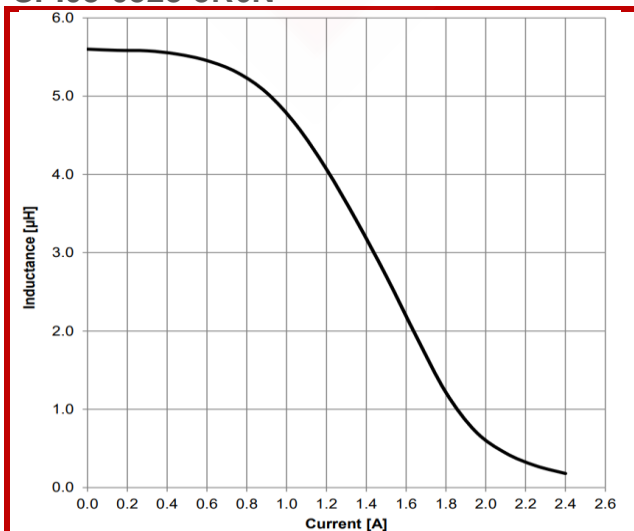
SPI03-0528-3R9N



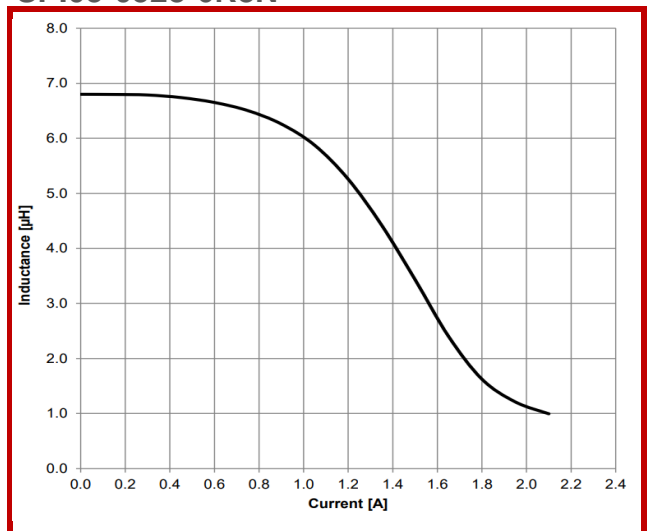
SPI03-0528-4R7N



SPI03-0528-5R6N



SPI03-0528-6R8N

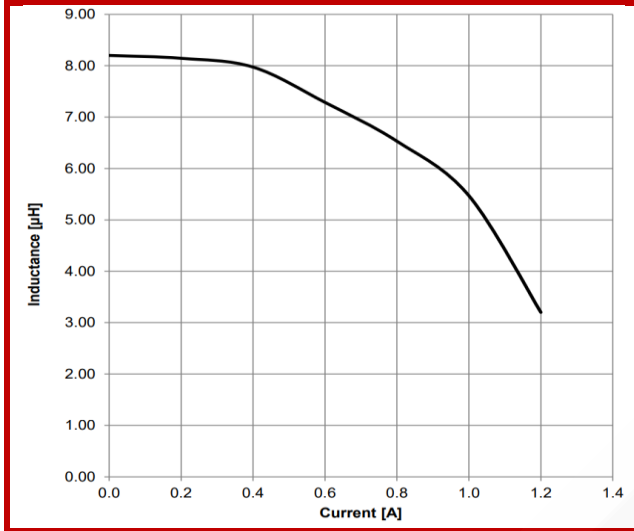




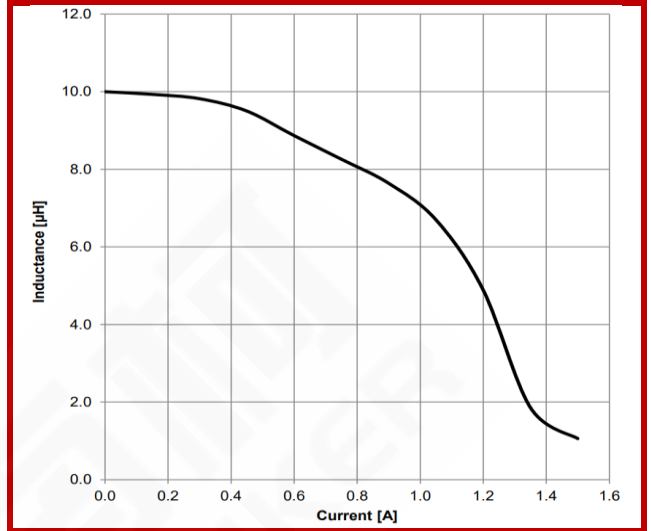
典型电感与电流特性

Typical Inductance vs. Current Characteristics

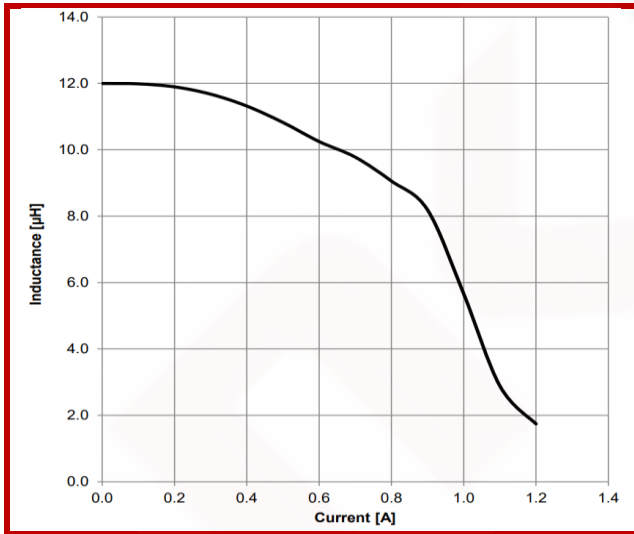
SPI03-0528-8R2N



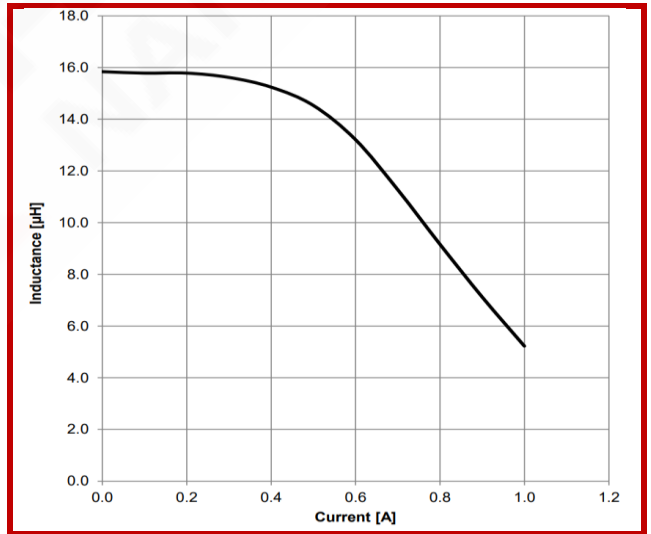
SPI03-0528-100N



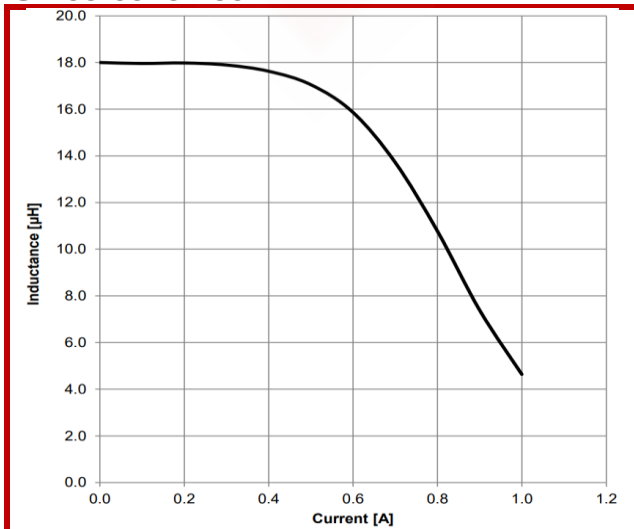
SPI03-0528-120N



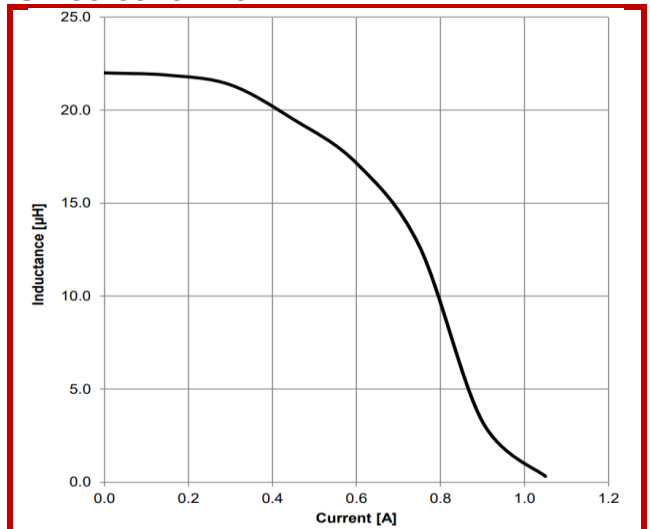
SPI03-0528-150N

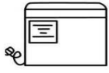


SPI03-0528-180N



SPI03-0528-220N

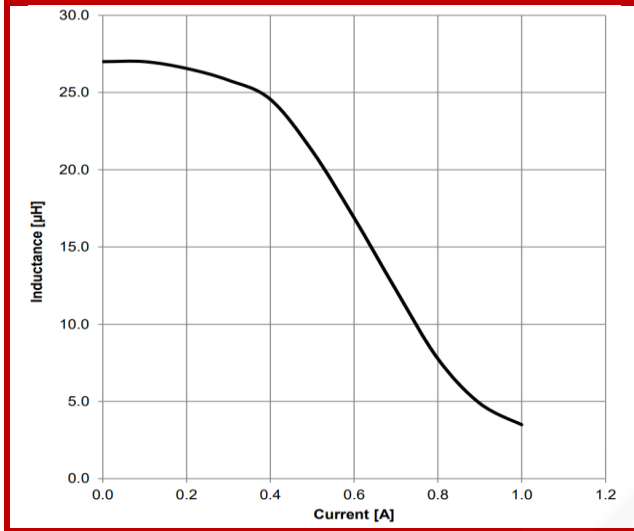




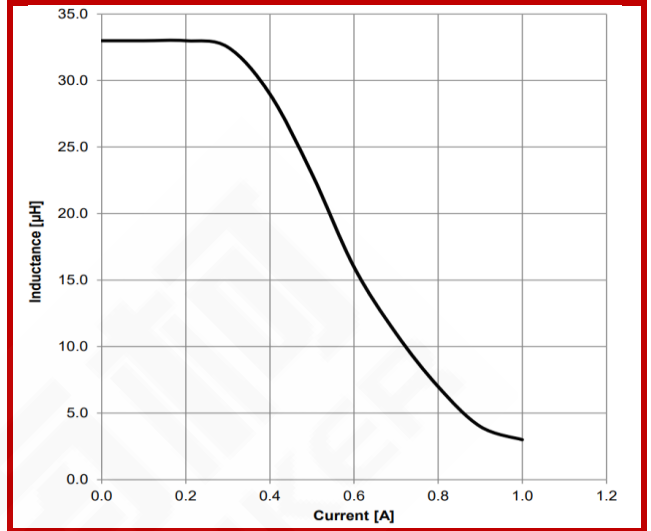
典型电感与电流特性

Typical Inductance vs. Current Characteristics

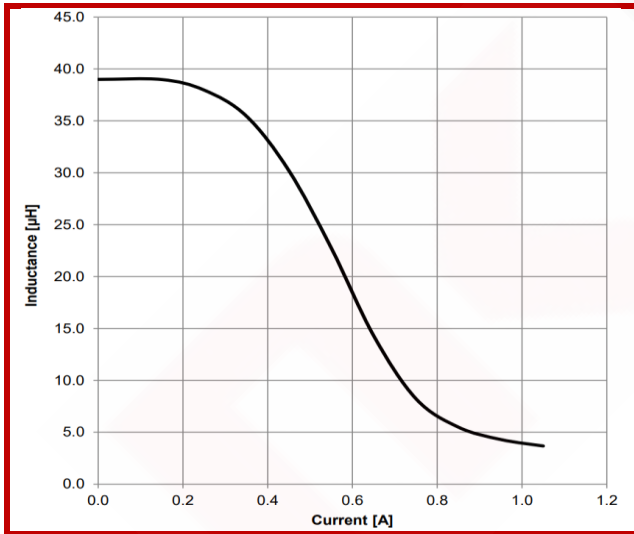
SPI03-0528-270N



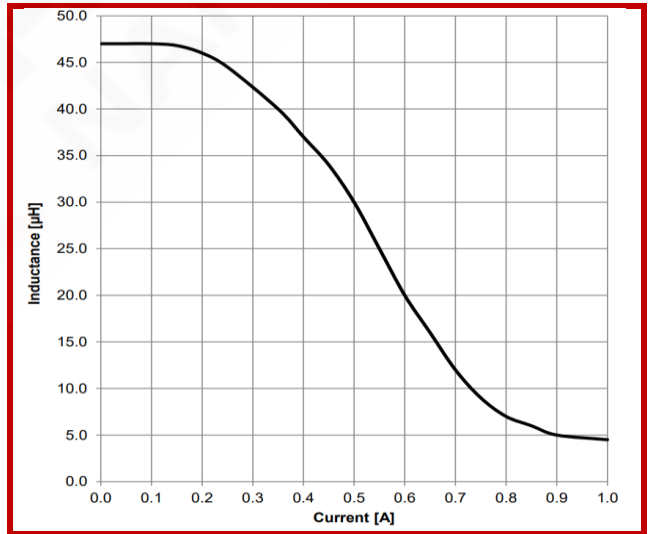
SPI03-0528-330N



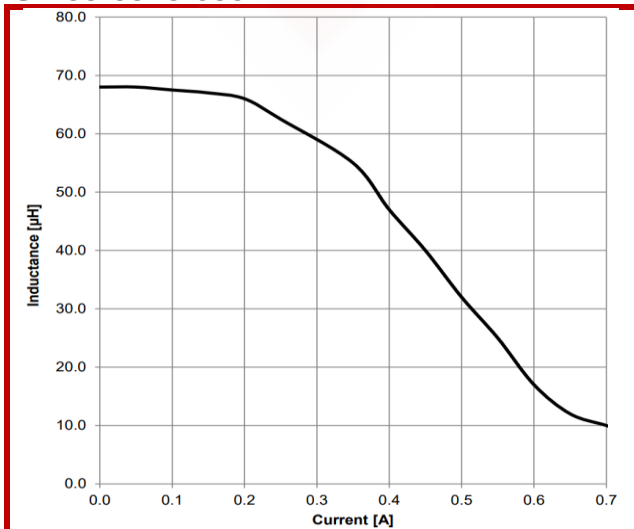
SPI03-0528-390N



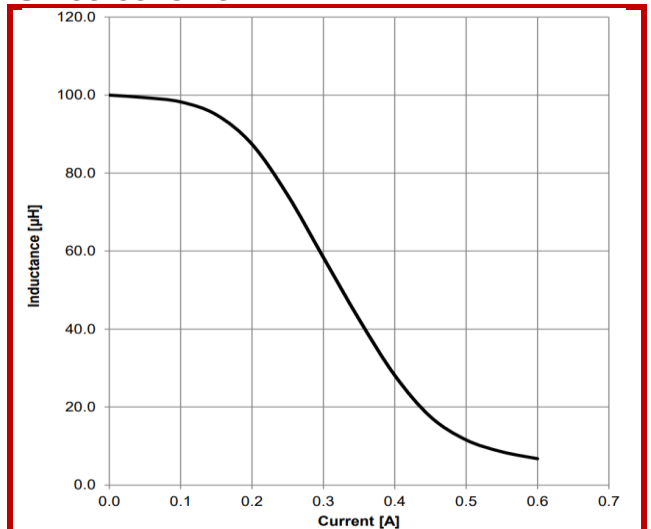
SPI03-0528-470N



SPI03-0528-680N



SPI03-0528-101N

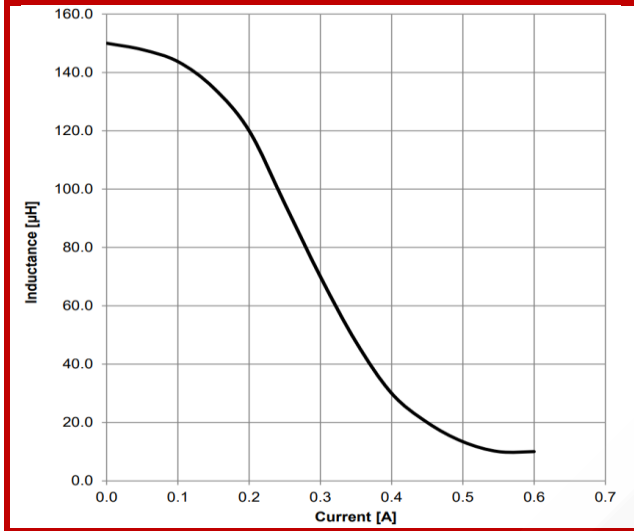




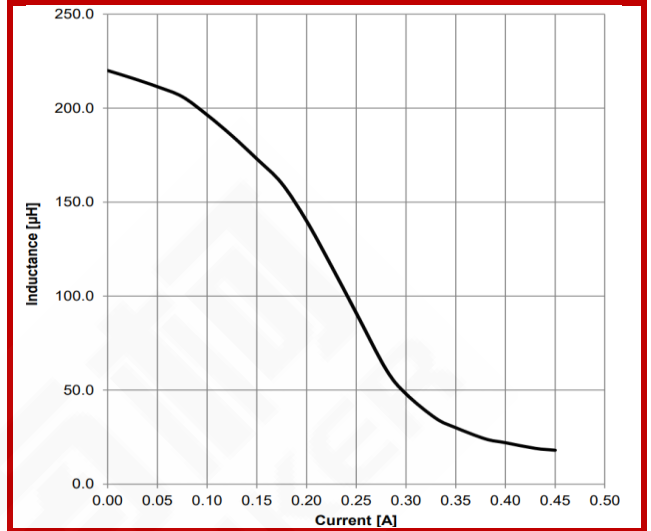
典型电感与电流特性

Typical Inductance vs. Current Characteristics

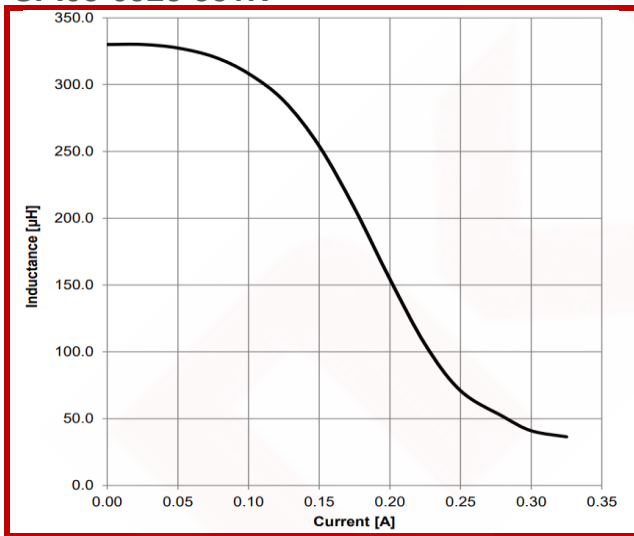
SPI03-0528-151N



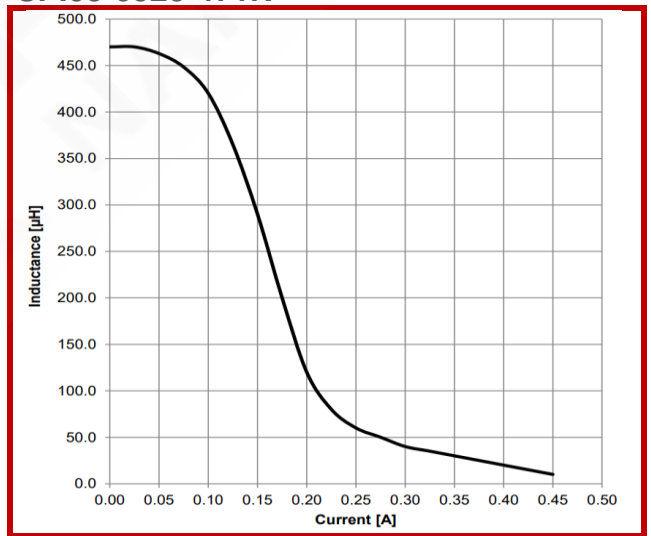
SPI03-0528-221N



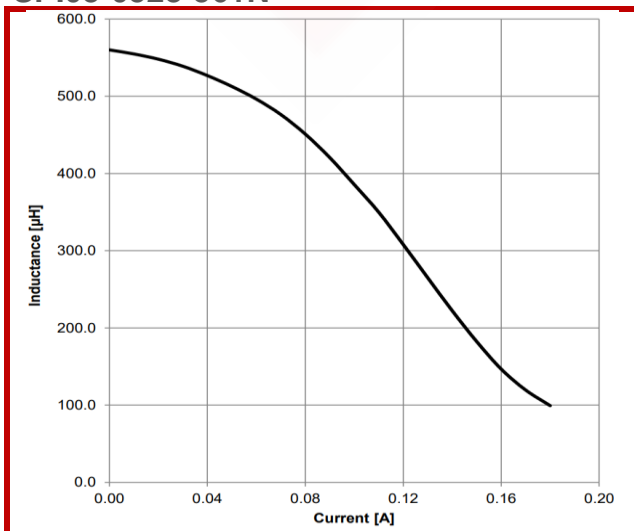
SPI03-0528-331N



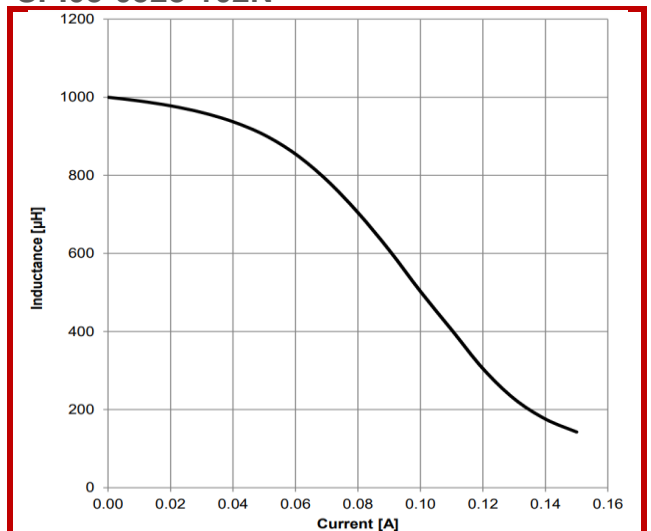
SPI03-0528-471N



SPI03-0528-561N



SPI03-0528-102N

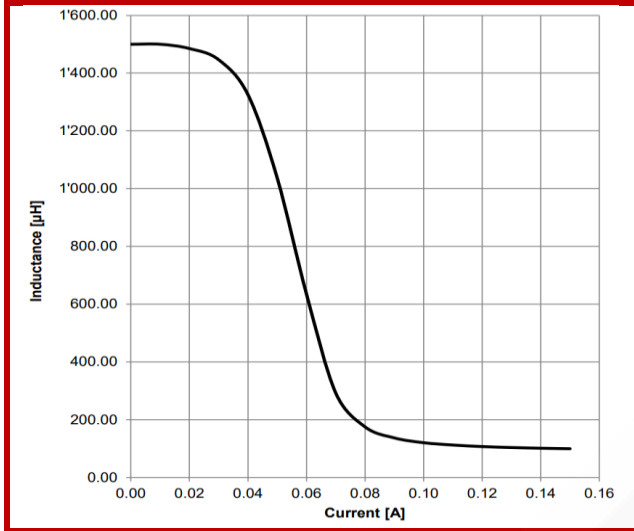




典型电感与电流特性

Typical Inductance vs. Current Characteristics

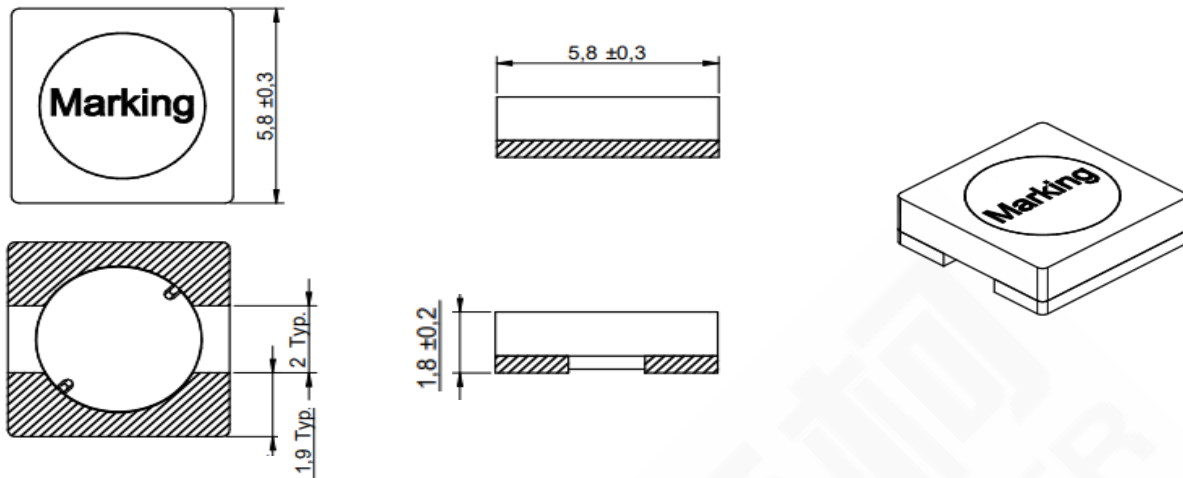
SPI03-0528-152N





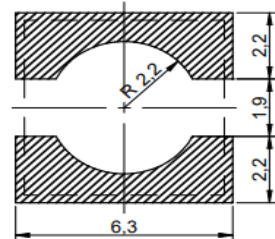
尺寸

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 30°C (A)	直流电阻 DC Resistance DCR typ (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packaging Qty pcs
SPI03-0618-1R2N	1.20 ±30%	3.00	20	3.50	500
SPI03-0618-1R8N	1.80 ±30%	2.60	24	3.00	500
SPI03-0618-2R5N	2.50 ±30%	2.40	30	2.70	500
SPI03-0618-3R0N	3.00 ±30%	2.20	35	2.40	500
SPI03-0618-3R9N	3.90 ±30%	2.00	50	2.10	500
SPI03-0618-5R0N	5.00 ±30%	1.65	50	1.80	500
SPI03-0618-6R2N	6.20 ±30%	1.45	70	1.60	500
SPI03-0618-7R5N	7.50 ±30%	1.35	70	1.50	500
SPI03-0618-9R0N	9.00 ±30%	1.25	90	1.35	500
SPI03-0618-100N	10.00 ±30%	1.10	105	1.25	500

测试状态

Test Condition

☆ 电感测试条件为 100 kHz/ 100 mV (25°C)

Inductance measure condition at 100kHz / 100mV (25°C)

☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

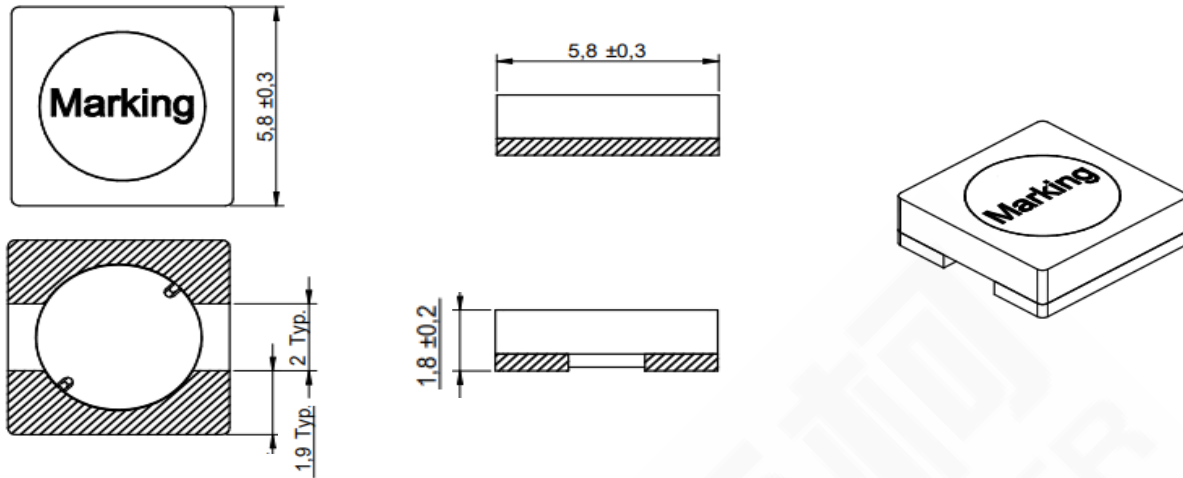
☆ 饱和电流: 电感值下降其初始值的35%时所加载的实际直流电流值

Saturation Current: The actual value of DC current when the inductance drop 35% of initial value



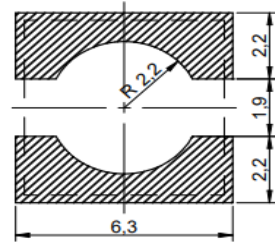
尺寸

Dimension (mm)



焊盘推荐

Land Pattern Recommended (mm)



示意图

Schematics



电性特性

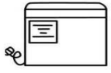
Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r typ 30°C (A)	直流电阻 DC Resistance DCR typ (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packaging Qty pcs
SPI03-0618-120N	12.00 ±30%	1.00	130	1.15	500
SPI03-0618-150N	15.00 ±30%	0.95	150	1.10	500
SPI03-0618-180N	18.00 ±30%	0.90	185	1.00	500
SPI03-0618-220N	22.00 ±30%	0.80	240	0.90	500
SPI03-0618-270N	27.00 ±30%	0.78	250	0.80	500
SPI03-0618-470N	47.00 ±30%	0.77	530	0.70	500
SPI03-0618-680N	68.00 ±30%	0.64	840	0.50	500
SPI03-0618-101N	100.00 ±30%	0.35	815	0.42	500
SPI03-0618-221N	220.00 ±30%	0.23	1,890	0.30	500
SPI03-0618-471N	470.00 ±30%	0.14	4,175	0.18	500

测试状态

Test Condition

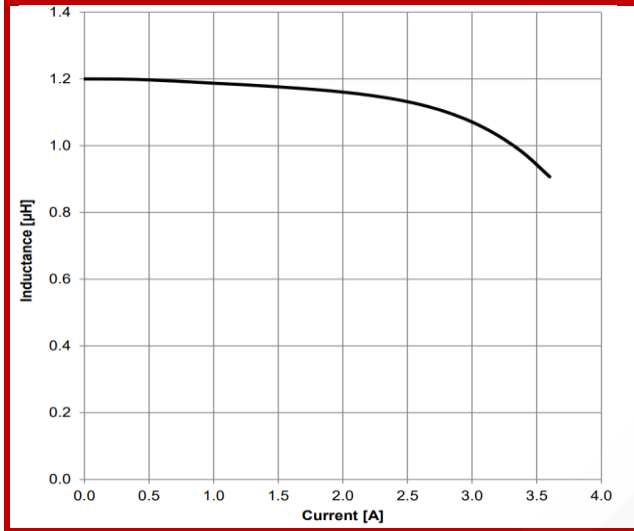
- ☆ 电感测试条件为 100 kHz/ 100 mV (25°C)
Inductance measure condition at 100kHz / 100mV (25°C)
- ☆ 工作温度: -40°C ~ +125°C
Operating Temperature: -40°C ~ +125°C
- ☆ 饱和电流: 电感值下降其初始值的35%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 35% of initial value



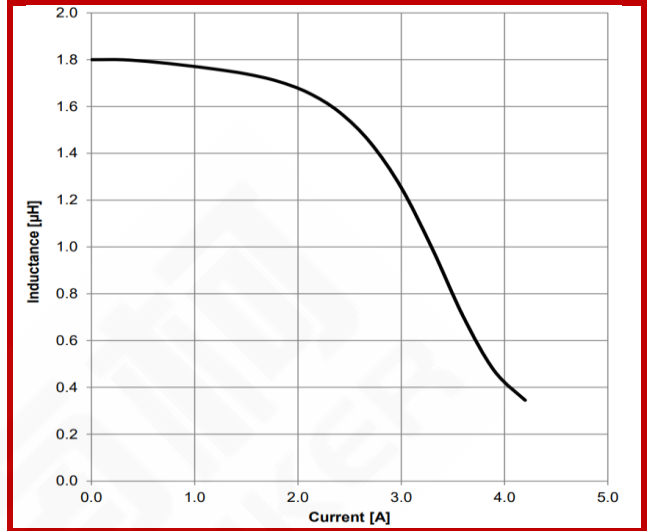
典型电感与电流特性

Typical Inductance vs. Current Characteristics

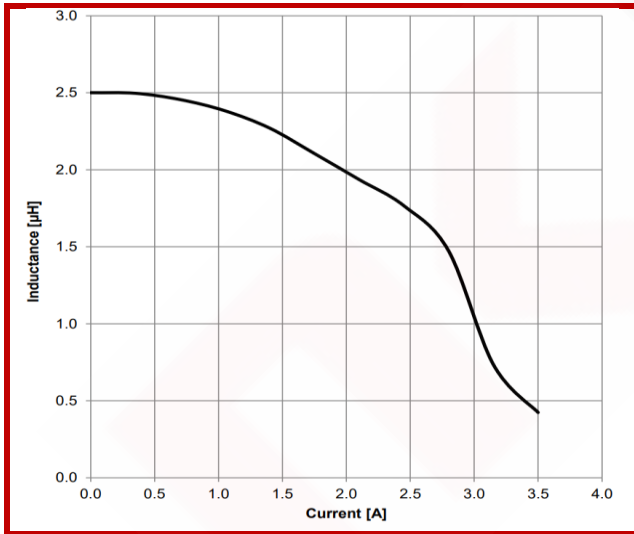
SPI03-0618-1R2N



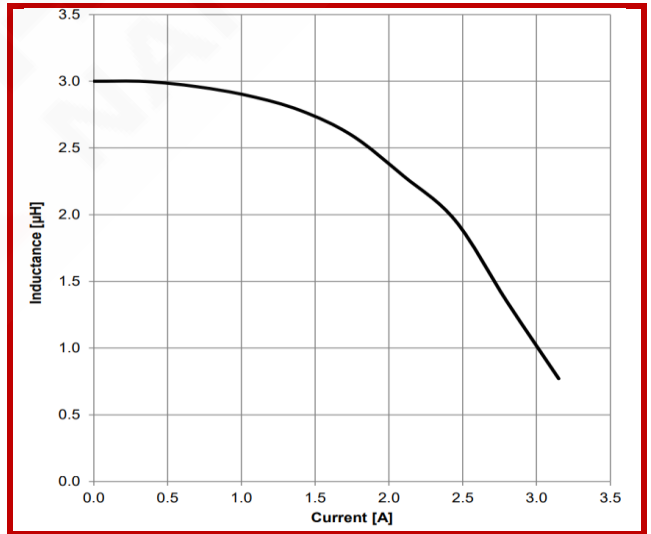
SPI03-0618-1R8N



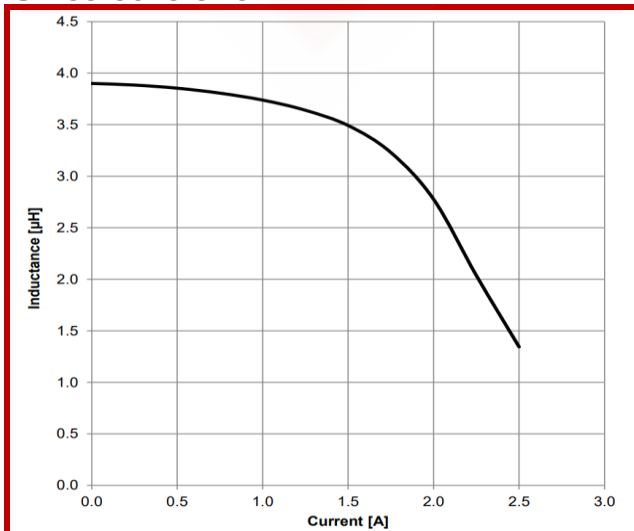
SPI03-0618-2R5N



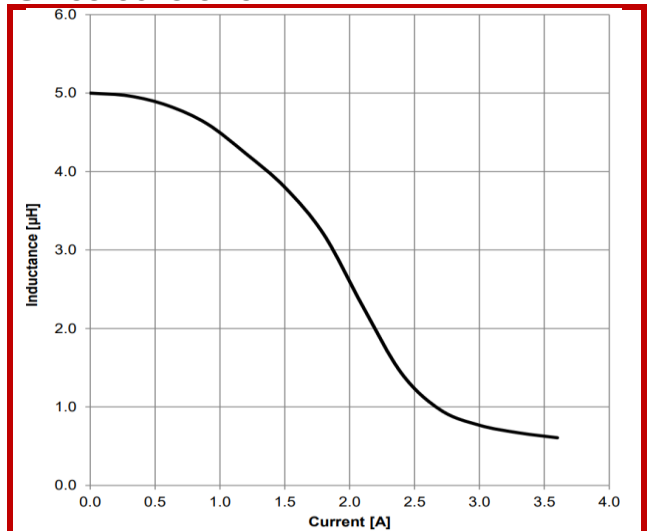
SPI03-0618-3R0N

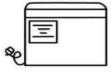


SPI03-0618-3R9N



SPI03-0618-5R0N

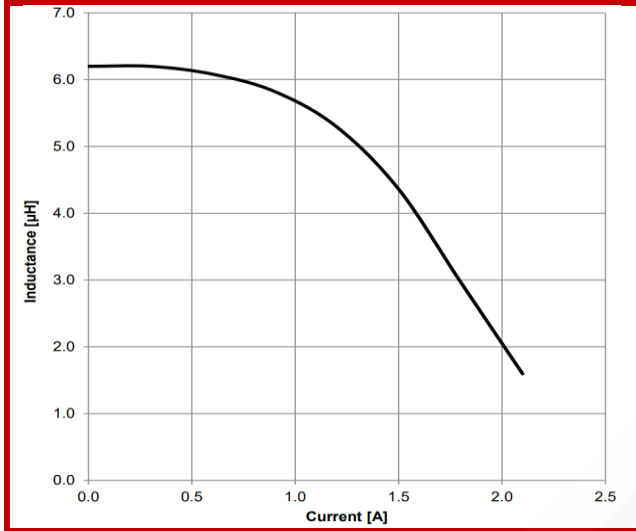




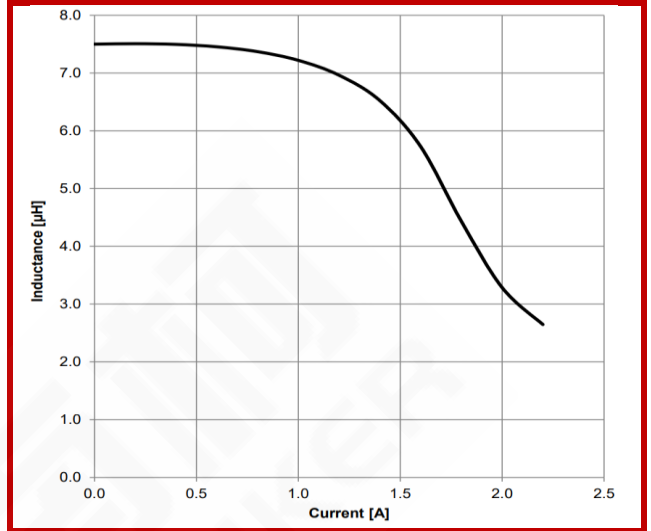
典型电感与电流特性

Typical Inductance vs. Current Characteristics

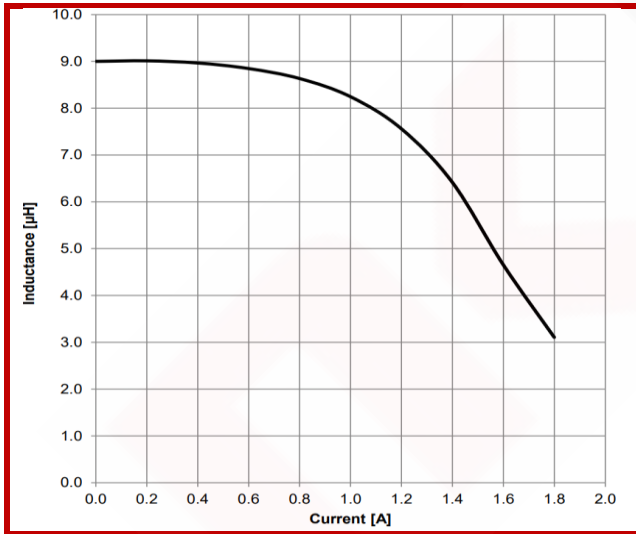
SPI03-0618-6R2N



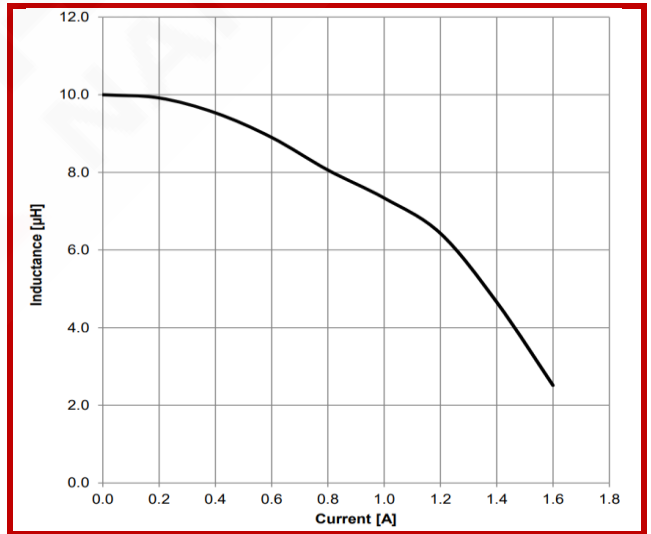
SPI03-0618-7R5N



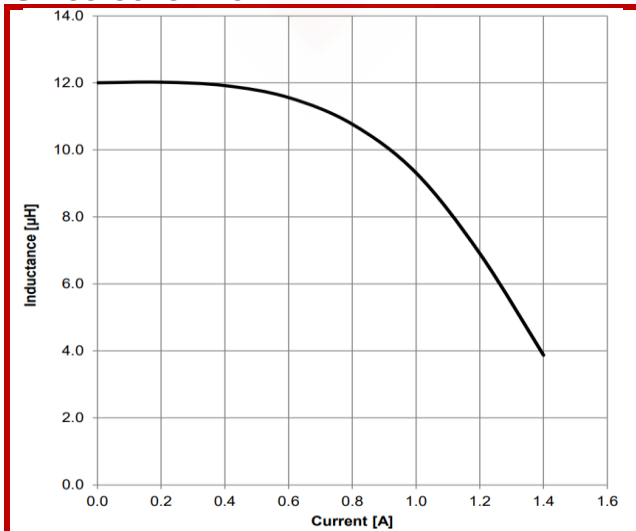
SPI03-0618-9R0N



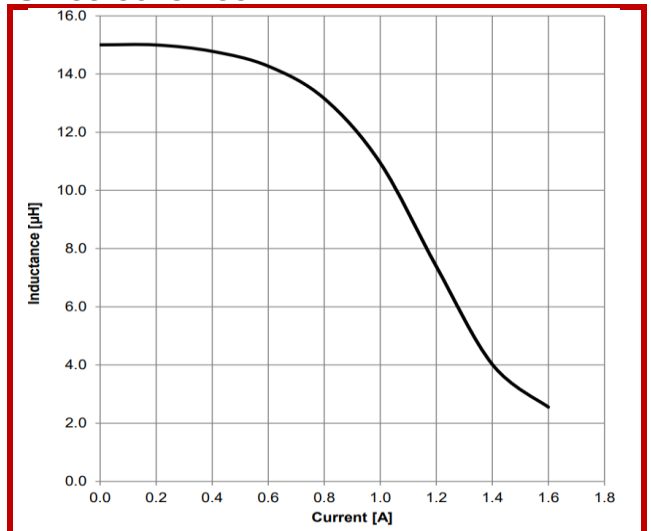
SPI03-0618-100N

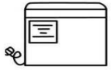


SPI03-0618-120N



SPI03-0618-150N

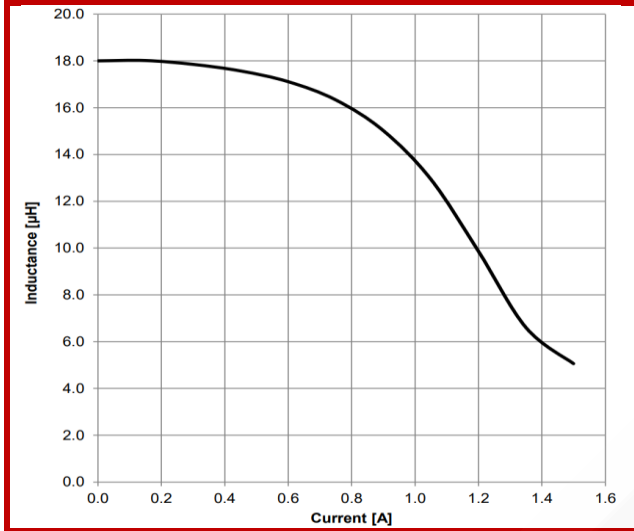




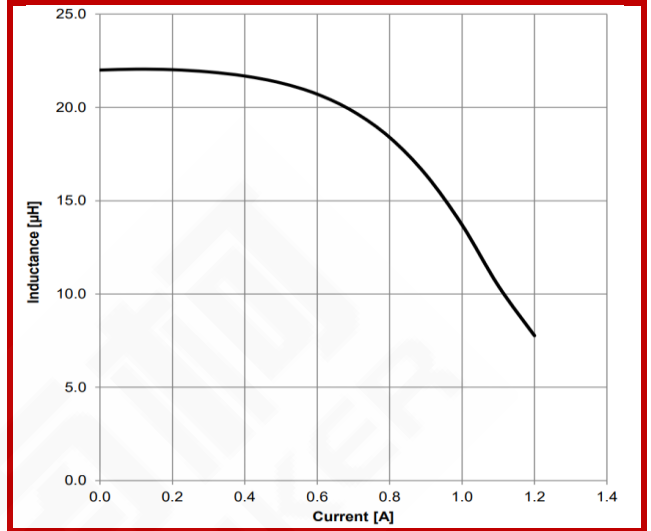
典型电感与电流特性

Typical Inductance vs. Current Characteristics

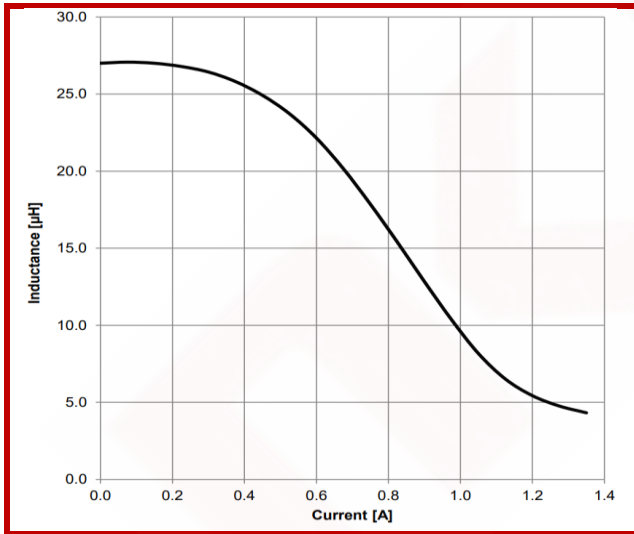
SPI03-0618-180N



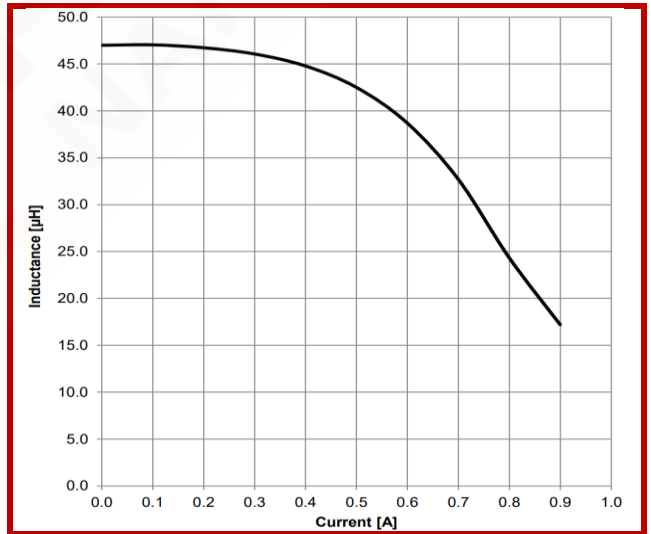
SPI03-0618-220N



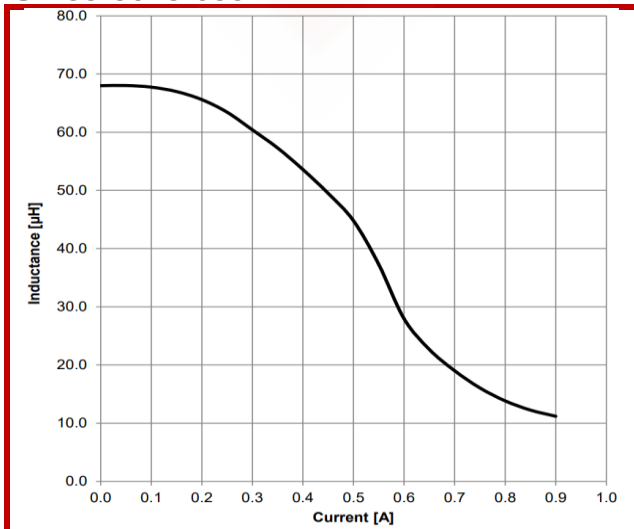
SPI03-0618-270N



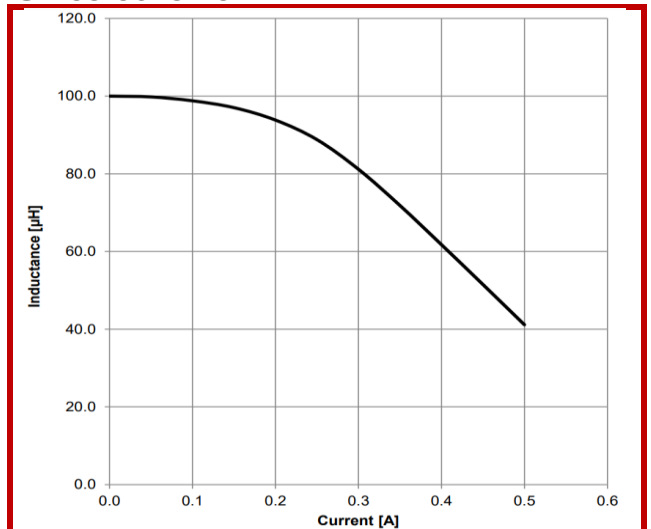
SPI03-0618-470N



SPI03-0618-680N



SPI03-0618-101N

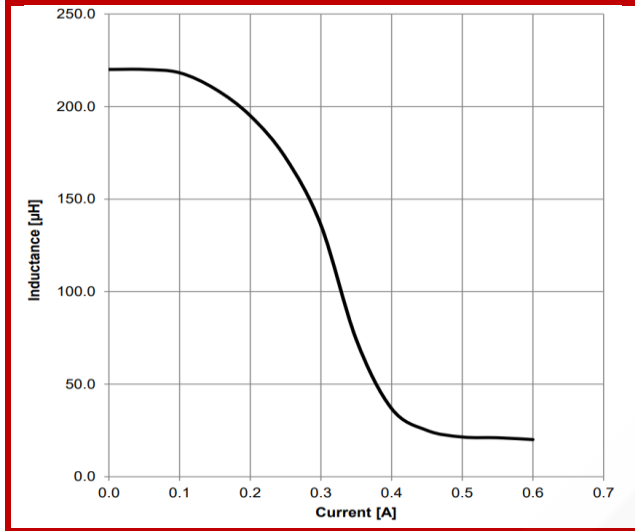




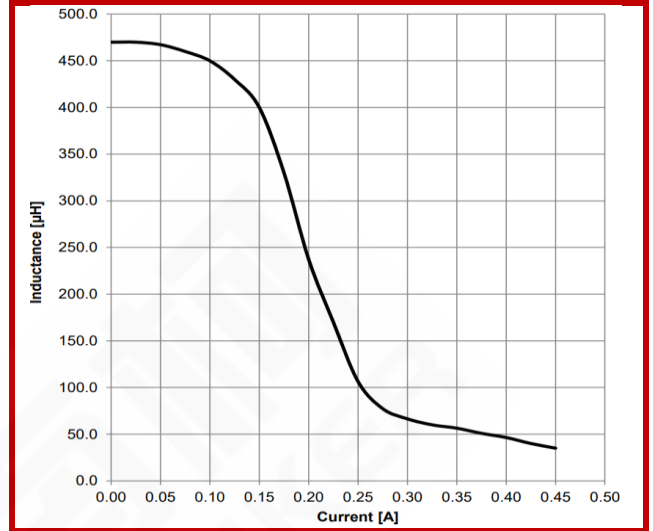
典型电感与电流特性

Typical Inductance vs. Current Characteristics

SPI03-0618-221N



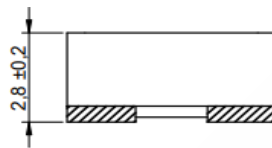
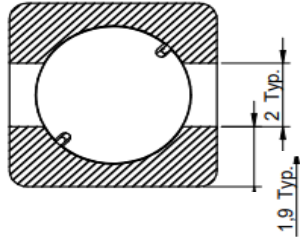
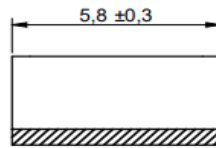
SPI03-0618-471N





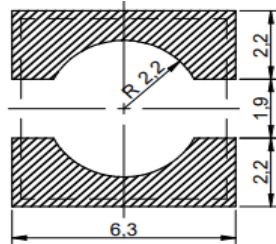
尺寸

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 30°C (A)	直流电阻 DC Resistance DCR typ (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packaging Qty pcs
SPI03-0628-2R6N	2.60 ±30%	3.00	20	2.70	400
SPI03-0628-3R0N	3.00 ±30%	2.80	20	2.50	400
SPI03-0628-4R2N	4.20 ±30%	2.50	30	2.20	400
SPI03-0628-4R7N	4.70 ±30%	2.50	30	1.95	400
SPI03-0628-5R3N	5.30 ±30%	2.30	30	1.90	400
SPI03-0628-6R2N	6.20 ±30%	2.20	40	1.70	400
SPI03-0628-8R2N	8.20 ±30%	2.10	50	1.60	400
SPI03-0628-100N	10.00 ±30%	1.50	60	1.40	400
SPI03-0628-120N	12.00 ±30%	1.46	70	1.25	400

测试状态

Test Condition

☆ 电感测试条件为 100 kHz / 100 mV (25°C)

Inductance measure condition at 100kHz / 100mV (25°C)

☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

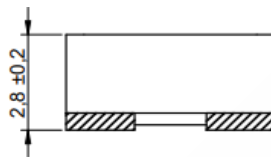
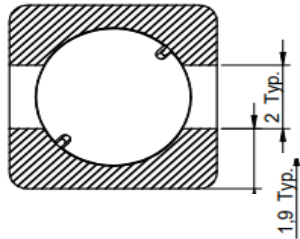
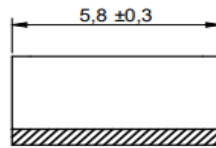
☆ 饱和电流: 电感值下降其初始值的35%时所加载的实际直流电流值

Saturation Current: The actual value of DC current when the inductance drop 35% of initial value



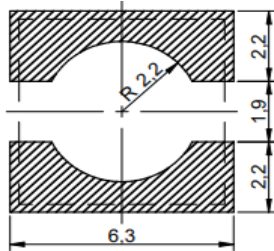
尺寸

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 30°C (A)	直流电阻 DC Resistance DCR typ (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packaging Qty pcs
SPI03-0628-150N	15.00 ±30%	1.38	80	1.15	400
SPI03-0628-180N	18.00 ±30%	1.25	90	1.10	400
SPI03-0628-220N	22.00 ±30%	1.15	100	0.90	400
SPI03-0628-270N	27.00 ±30%	1.05	135	0.80	400
SPI03-0628-330N	33.00 ±30%	0.90	180	0.75	400
SPI03-0628-470N	47.00 ±30%	0.82	220	0.65	400
SPI03-0628-680N	68.00 ±30%	0.75	300	0.56	400
SPI03-0628-101N	100.00 ±30%	0.45	400	0.45	400
SPI03-0628-221N	220.00 ±30%	0.30	1,170	0.29	400

测试状态

Test Condition

☆ 电感测试条件为 100 kHz/ 100 mV (25°C)

Inductance measure condition at 100kHz / 100mV (25°C)

☆ 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35%时所加载的实际直流电流值

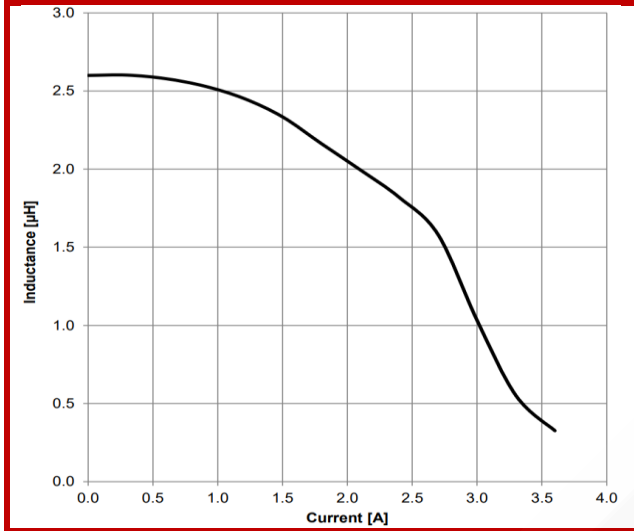
Saturation Current: The actual value of DC current when the inductance drop 35% of initial value



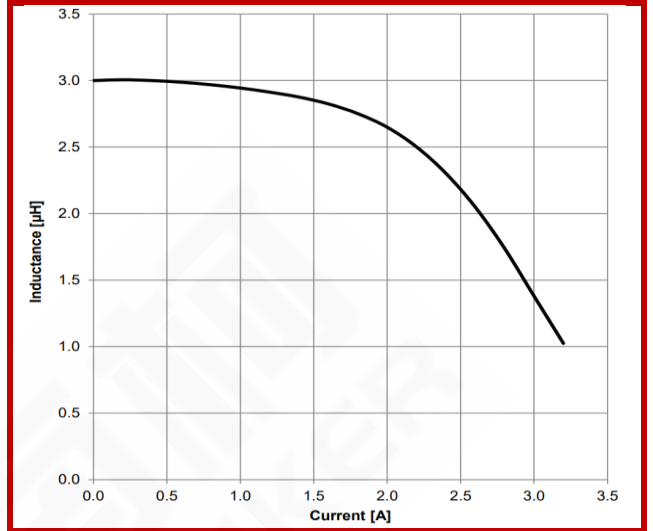
典型电感与电流特性

Typical Inductance vs. Current Characteristics

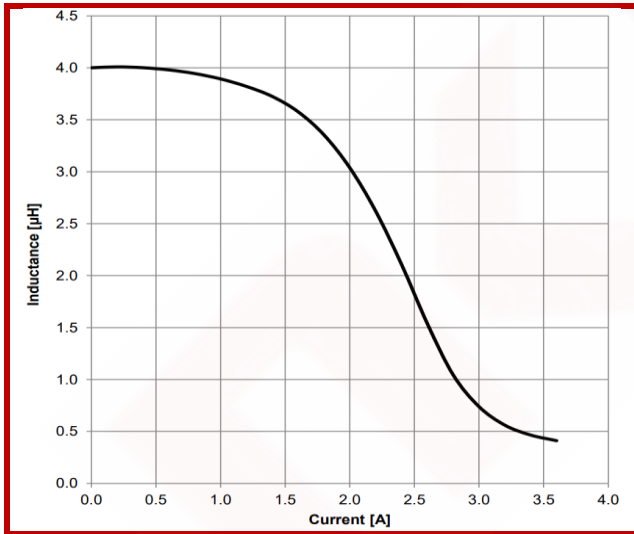
SPI03-0628-2R6N



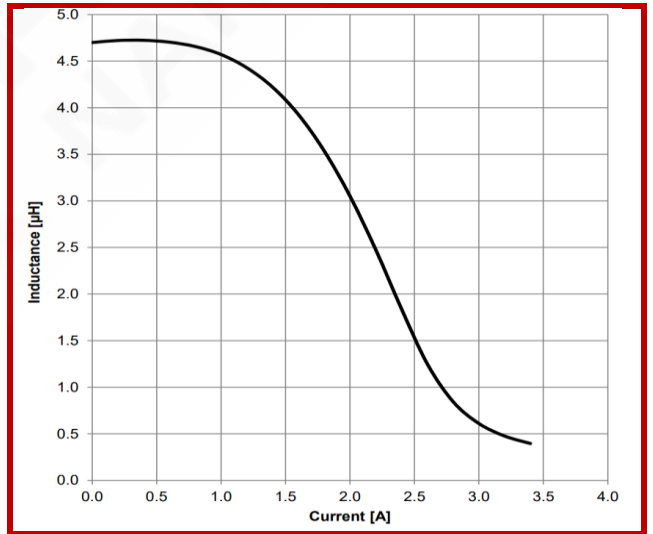
SPI03-0628-3R0N



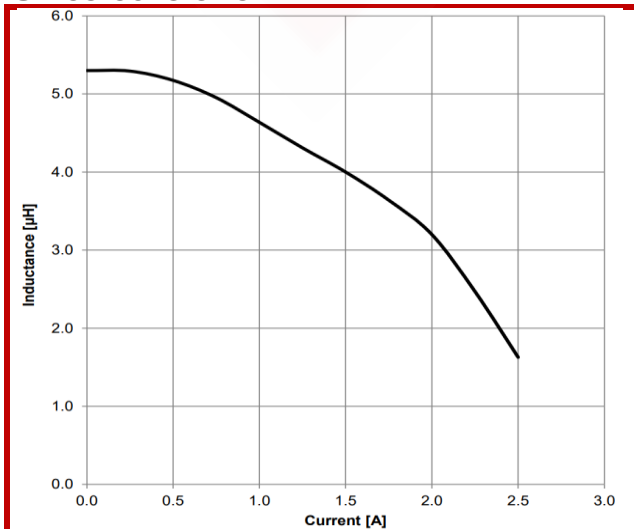
SPI03-0628-4R2N



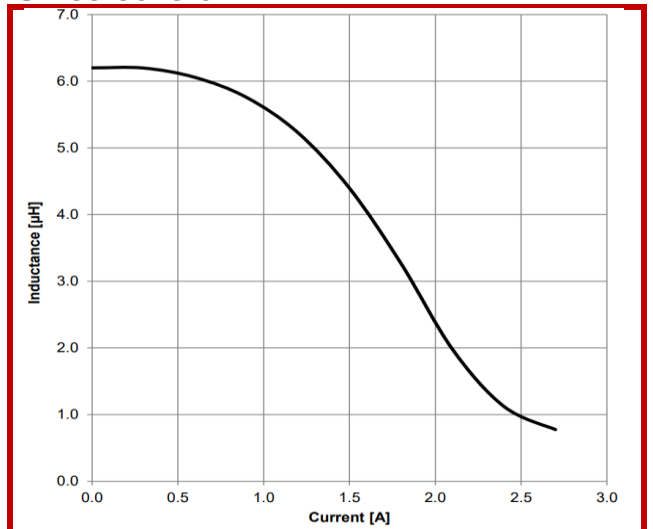
SPI03-0628-4R7N



SPI03-0628-5R3N



SPI03-0628-6R2N

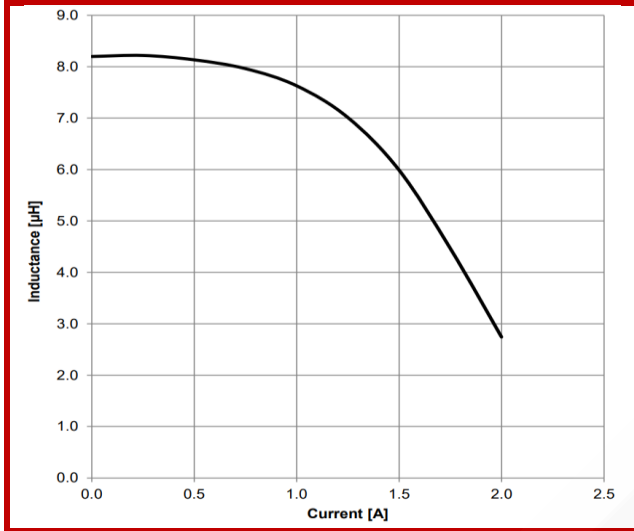




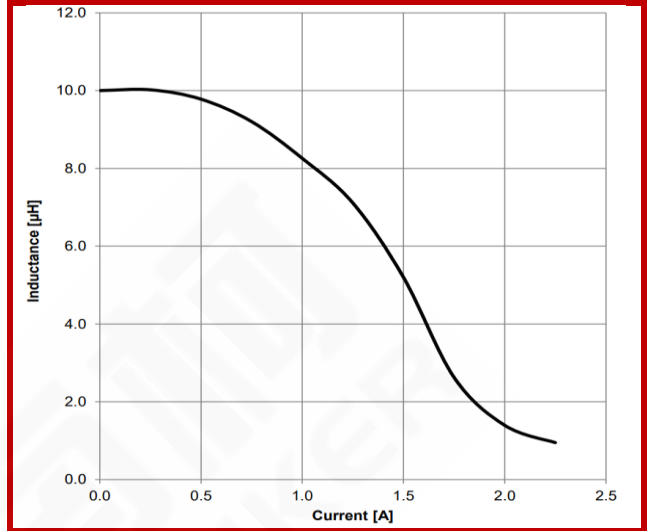
典型电感与电流特性

Typical Inductance vs. Current Characteristics

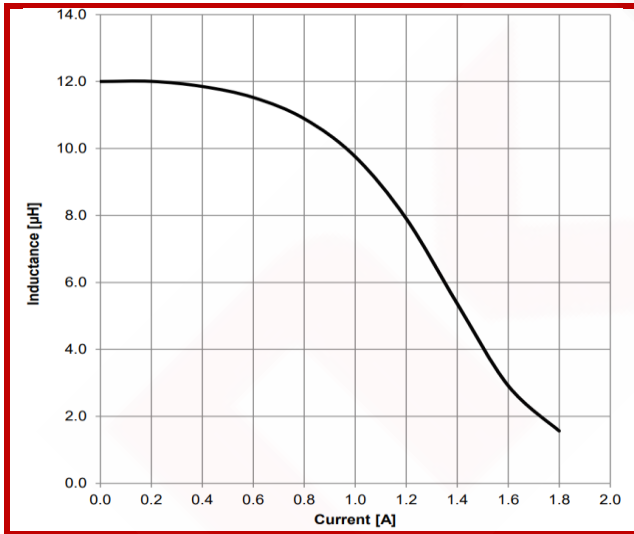
SPI03-0628-8R2N



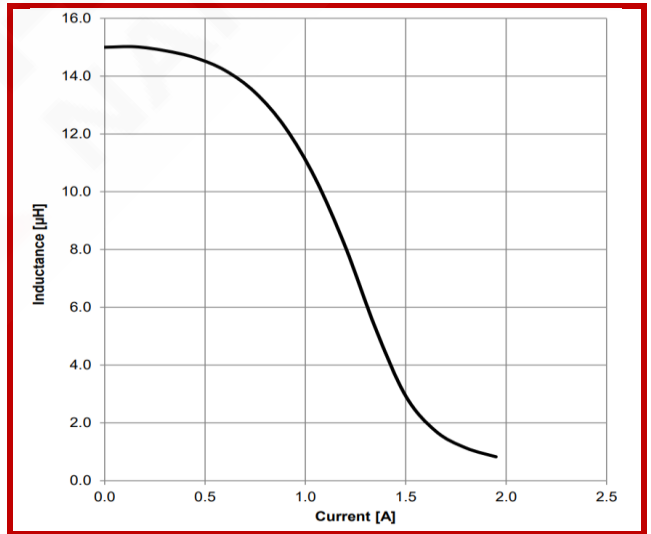
SPI03-0628-100N



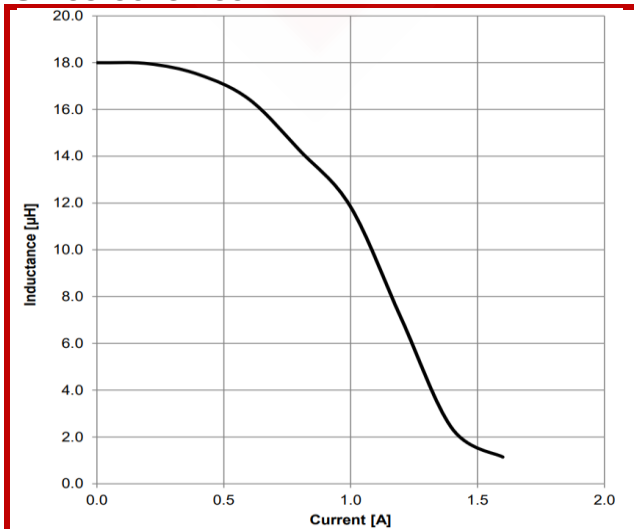
SPI03-0628-120N



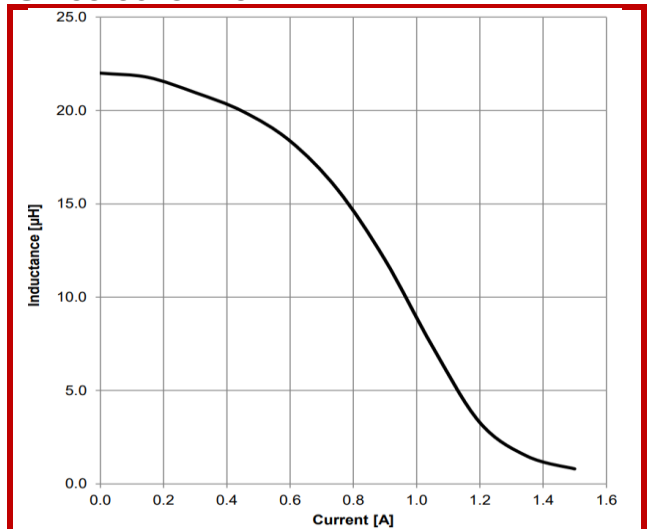
SPI03-0628-150N

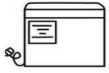


SPI03-0628-180N



SPI03-0628-220N

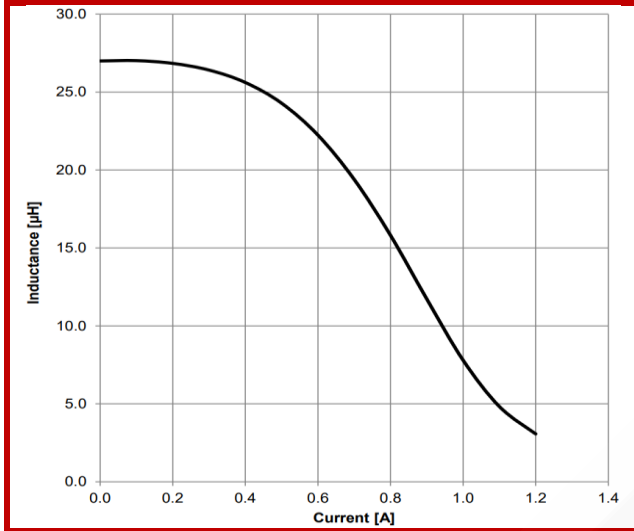




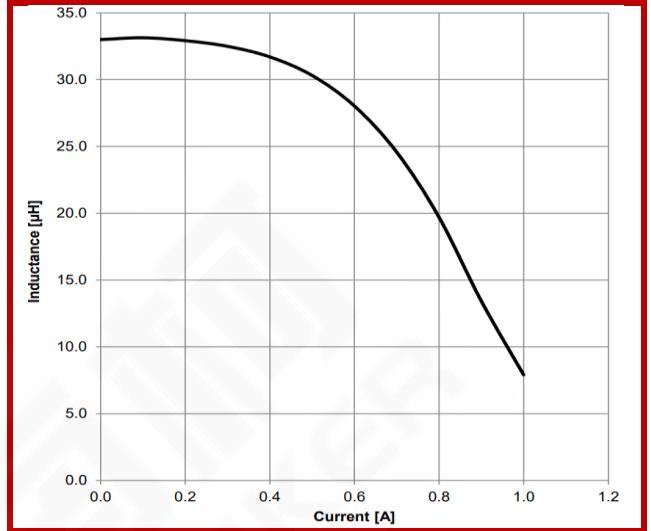
典型电感与电流特性

Typical Inductance vs. Current Characteristics

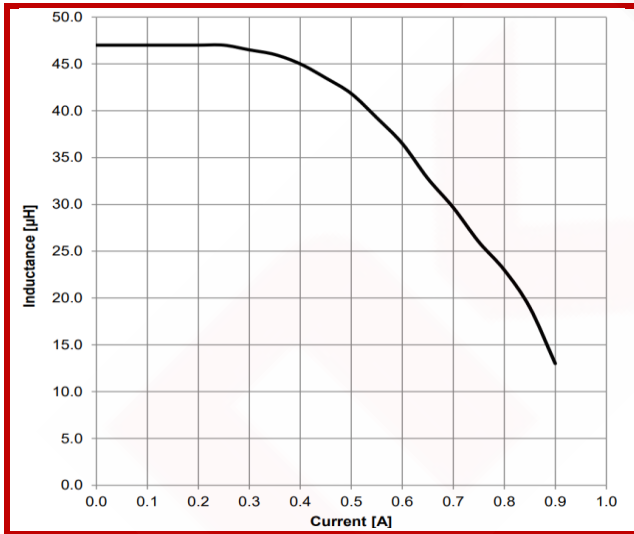
SPI03-0628-270N



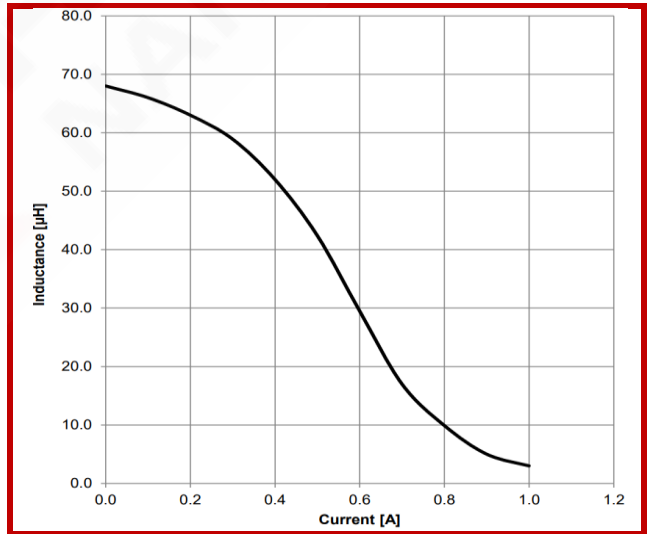
SPI03-0628-330N



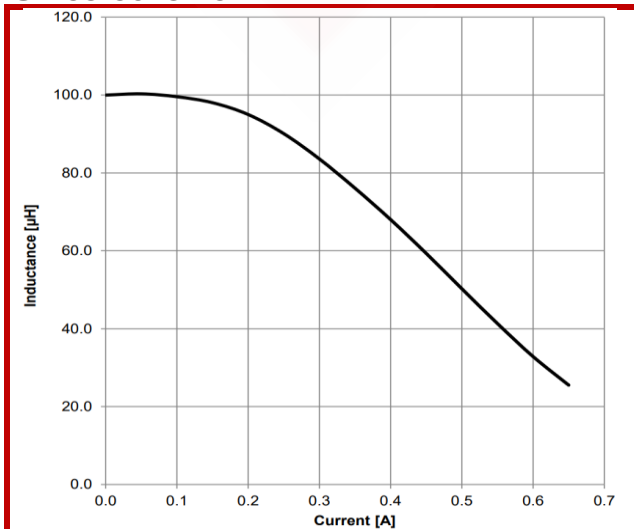
SPI03-0628-470N



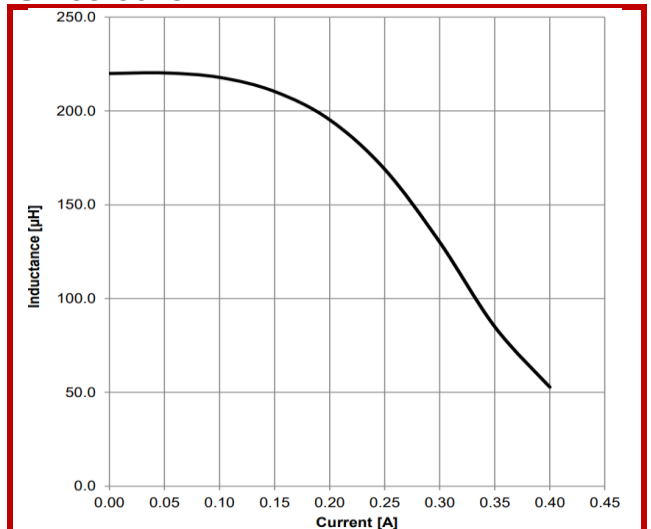
SPI03-0628-680N



SPI03-0628-101N



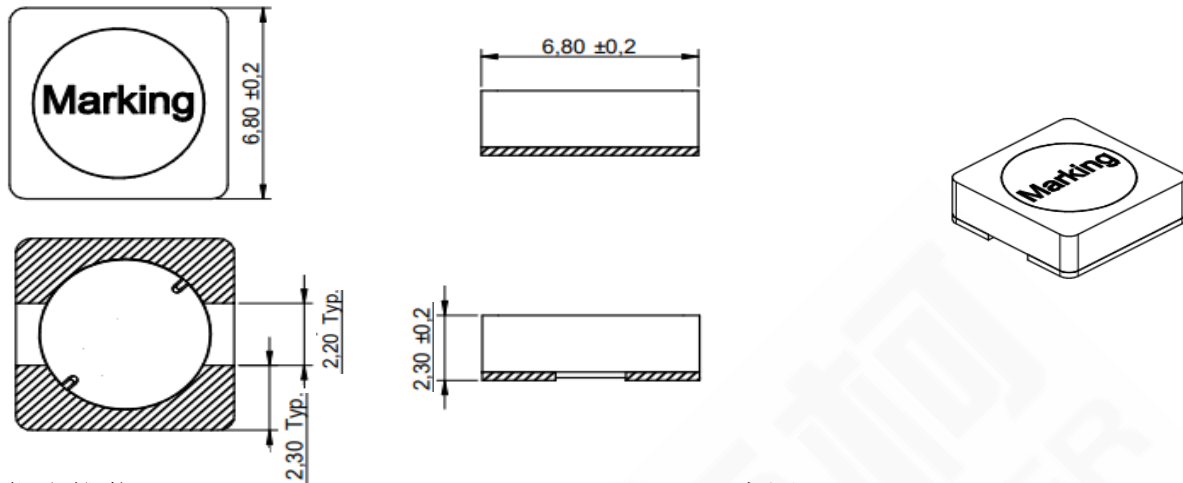
SPI03-0628-221N





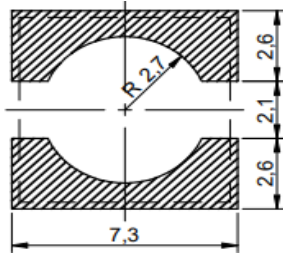
尺寸

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 30°C (A)	直流电阻 DCResistance DCR typ (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packaging Qty pcs
SPI03-0723-1R0N	1.00 ±30%	4.80	10	4.60	500
SPI03-0723-1R5N	1.50 ±30%	4.30	10	4.00	500
SPI03-0723-2R2N	2.20 ±30%	3.40	10	2.70	500
SPI03-0723-3R3N	3.30 ±30%	2.80	20	2.50	500
SPI03-0723-5R0N	5.00 ±30%	2.15	40	2.00	500
SPI03-0723-6R2N	6.20 ±30%	1.90	40	1.80	500
SPI03-0723-7R5N	7.50 ±30%	1.70	50	1.60	500
SPI03-0723-100N	10.00 ±30%	1.60	53	1.40	500
SPI03-0723-120N	12.00 ±30%	1.43	60	1.25	500
SPI03-0723-150N	15.00 ±30%	1.31	80	1.10	500

测试状态

Test Condition

☆ 电感测试条件为 100 kHz/ 100 mV (25°C)

Inductance measure condition at 100kHz / 100mV (25°C)

☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

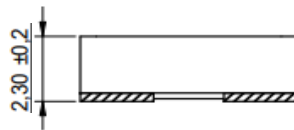
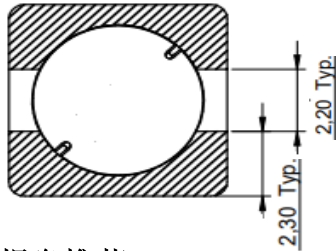
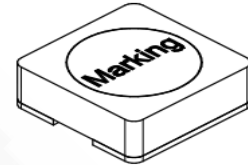
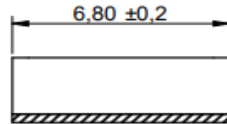
☆ 饱和电流: 电感值下降其初始值的35%时所加载的实际直流电流值

Saturation Current: The actual value of DC current when the inductance drop 35% of initial value



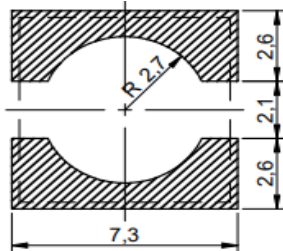
尺寸

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 30°C (A)	直流电阻 DC Resistance DCR typ (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packaging Qty pcs
SPI03-0723-180N	18.00 ±30%	1.28	90	1.00	500
SPI03-0723-220N	22.00 ±30%	1.22	100	0.95	500
SPI03-0723-330N	33.00 ±30%	0.93	150	0.78	500
SPI03-0723-470N	47.00 ±30%	0.73	260	0.62	500
SPI03-0723-680N	68.00 ±30%	0.64	300	0.50	500
SPI03-0723-101N	100.00 ±30%	0.55	440	0.47	500
SPI03-0723-151N	150.00 ±30%	0.43	605	0.36	500
SPI03-0723-221N	220.00 ±30%	0.36	1,010	0.25	500
SPI03-0723-102N	1,000 ±30%	0.16	3,820	0.13	500
SPI03-0723-152N	1,500 ±30%	0.08	7,000	0.11	500

测试状态

Test Condition

☆ 电感测试条件为 100 kHz/ 100 mV (25°C)

Inductance measure condition at 100kHz / 100mV (25°C)

☆ 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35%时所加载的实际直流电流值

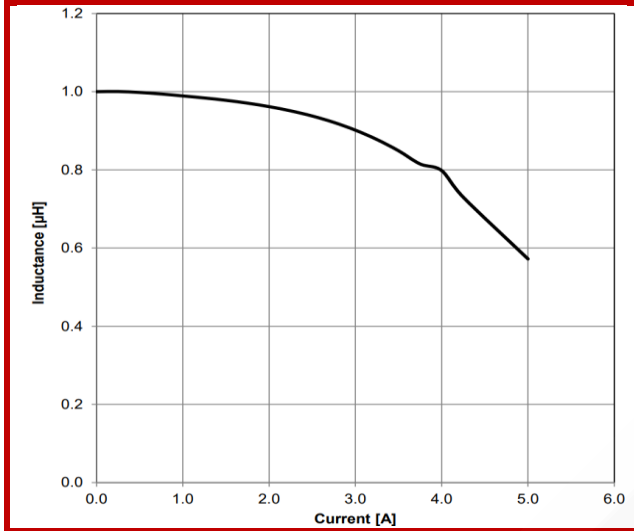
Saturation Current: The actual value of DC current when the inductance drop 35% of initial value



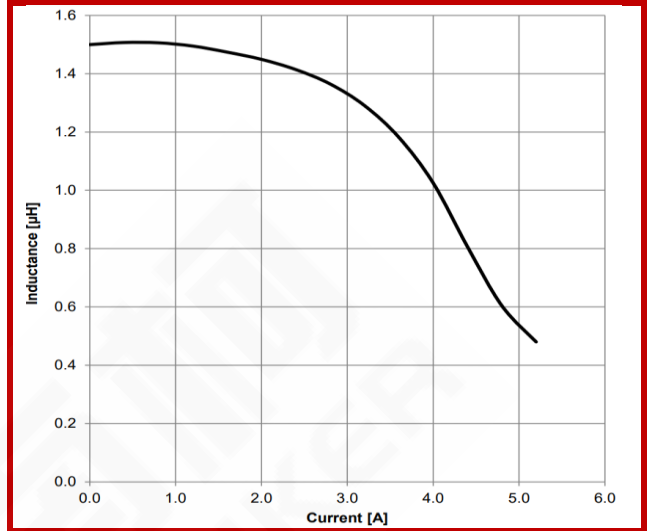
典型电感与电流特性

Typical Inductance vs. Current Characteristics

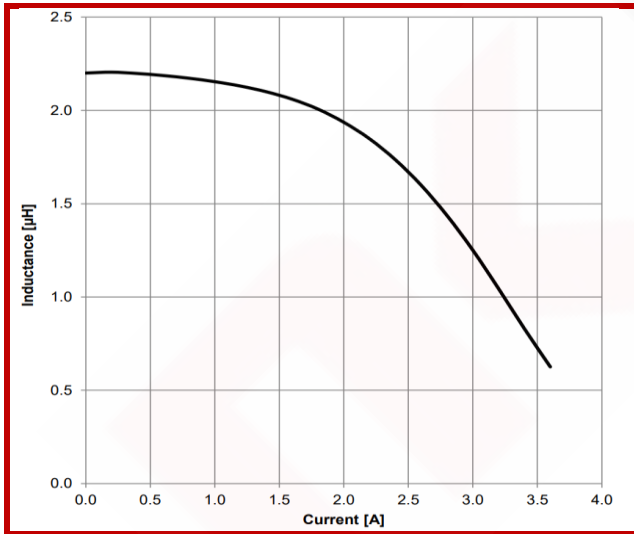
SPI03-0723-1R0N



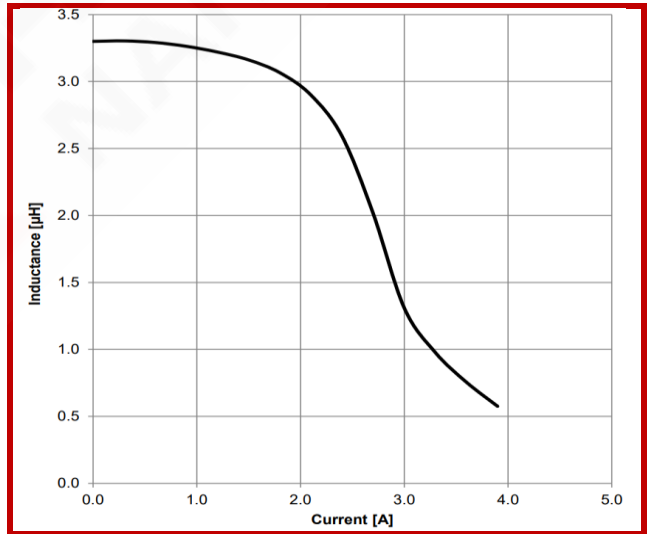
SPI03-0723-1R5N



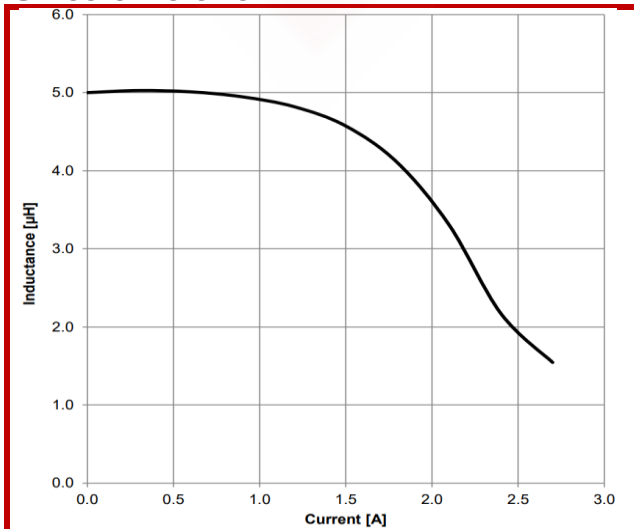
SPI03-0723-2R2N



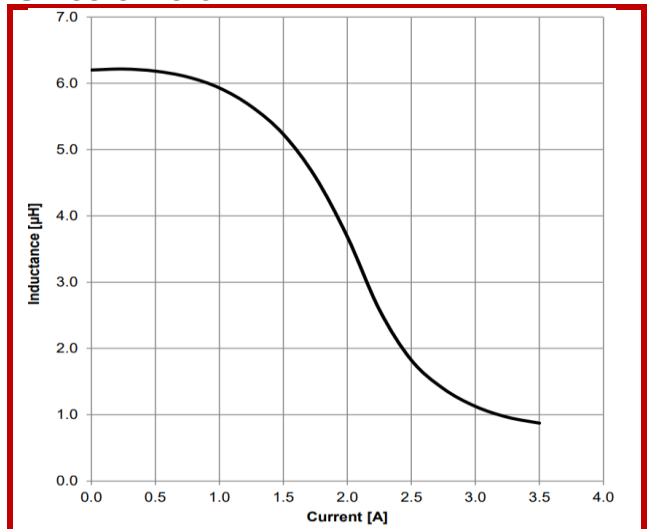
SPI03-0723-3R3N

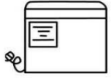


SPI03-0723-5R0N



SPI03-0723-6R2N

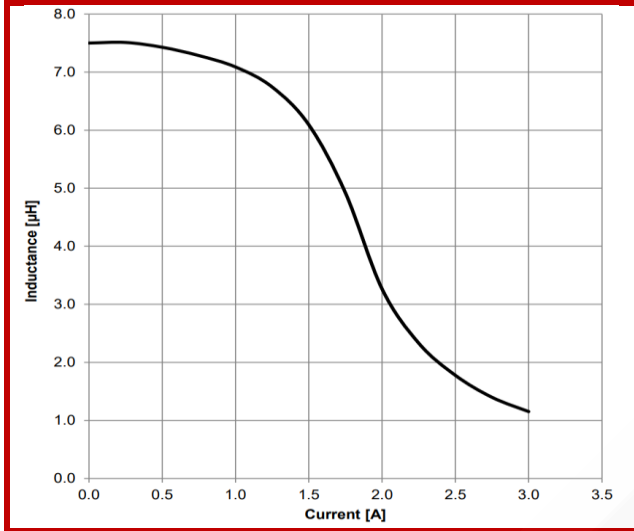




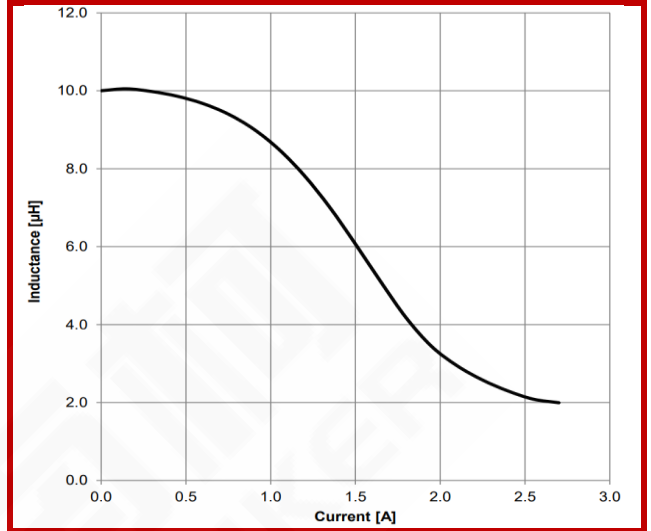
典型电感与电流特性

Typical Inductance vs. Current Characteristics

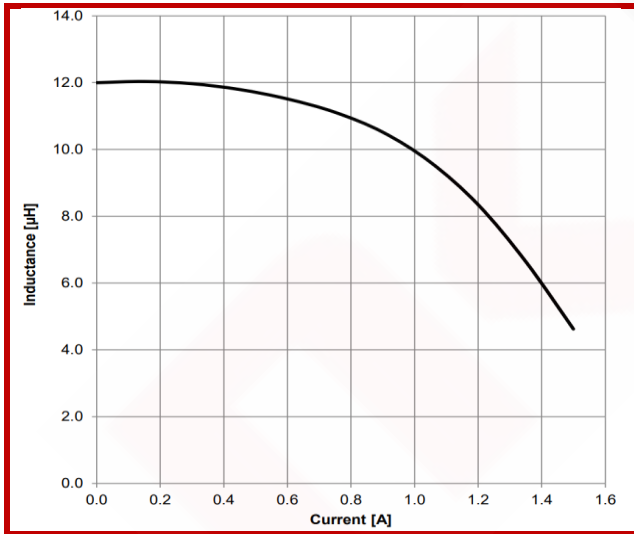
SPI03-0723-7R5N



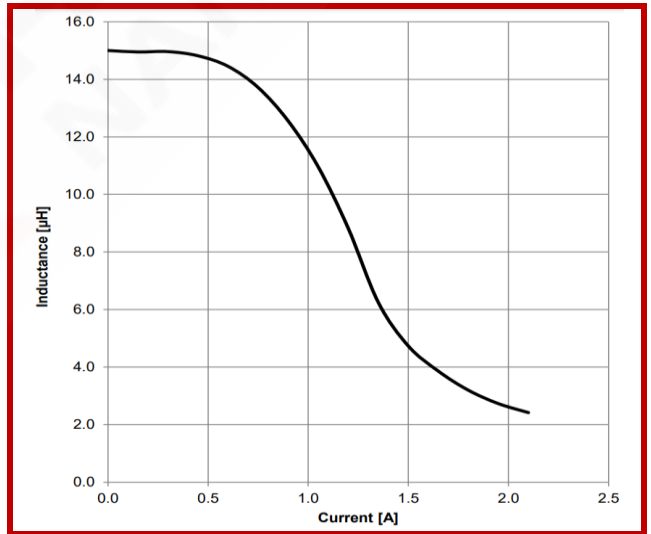
SPI03-0723-100N



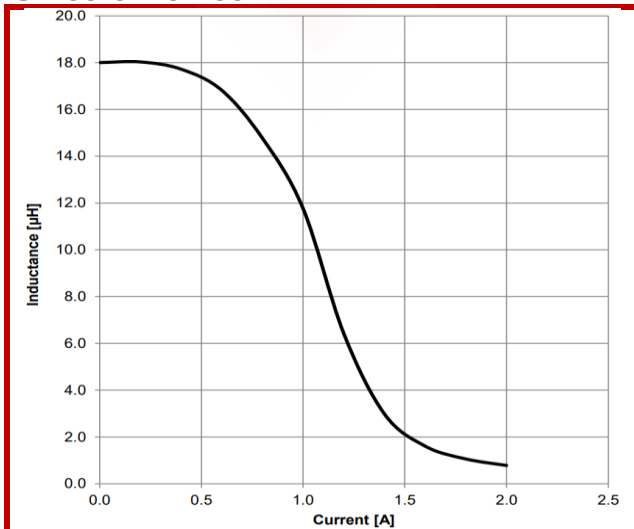
SPI03-0723-120N



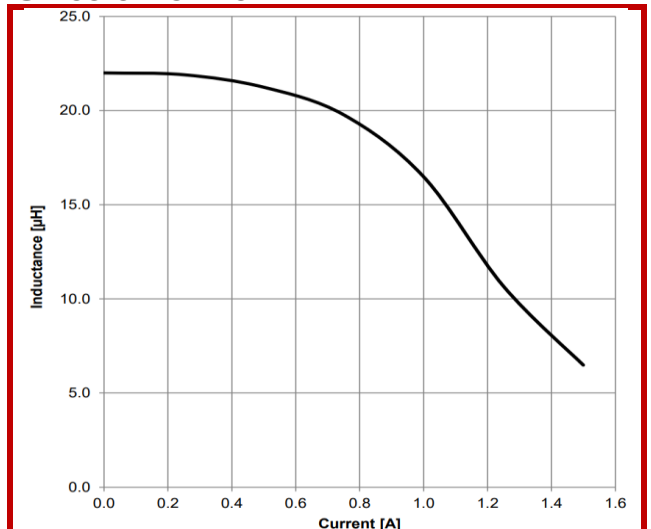
SPI03-0723-150N



SPI03-0723-180N



SPI03-0723-220N

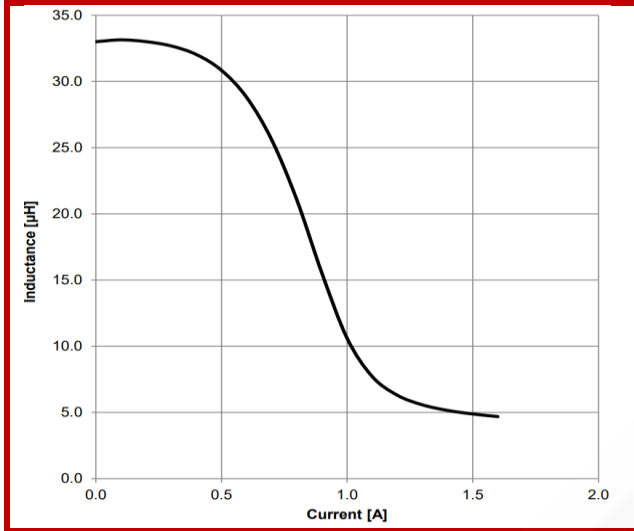




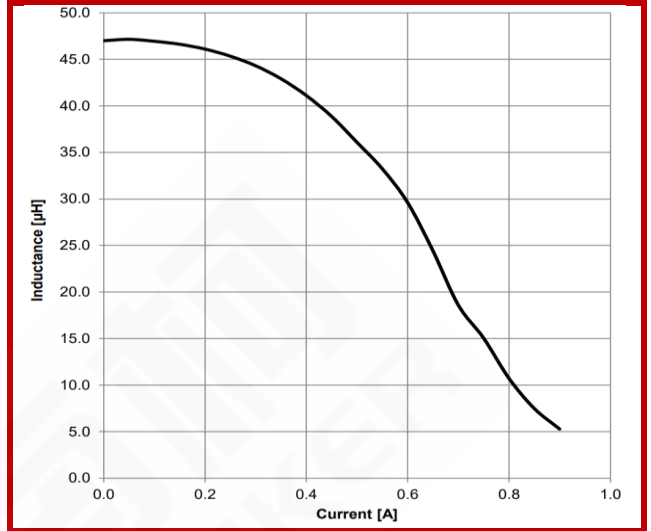
典型电感与电流特性

Typical Inductance vs. Current Characteristics

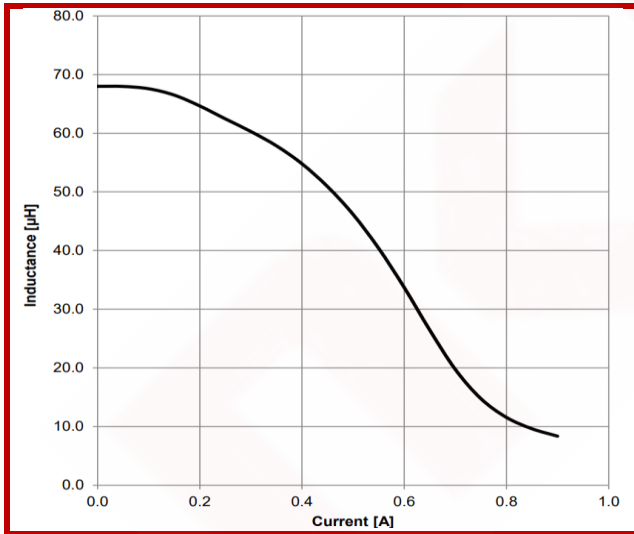
SPI03-0723-330N



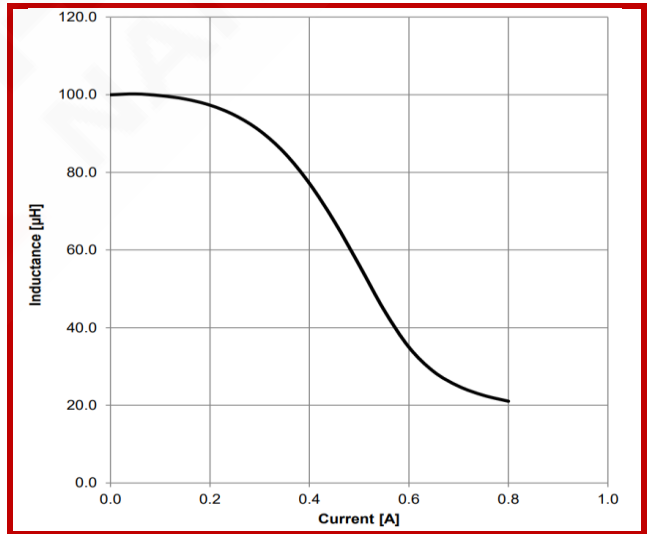
SPI03-0723-470N



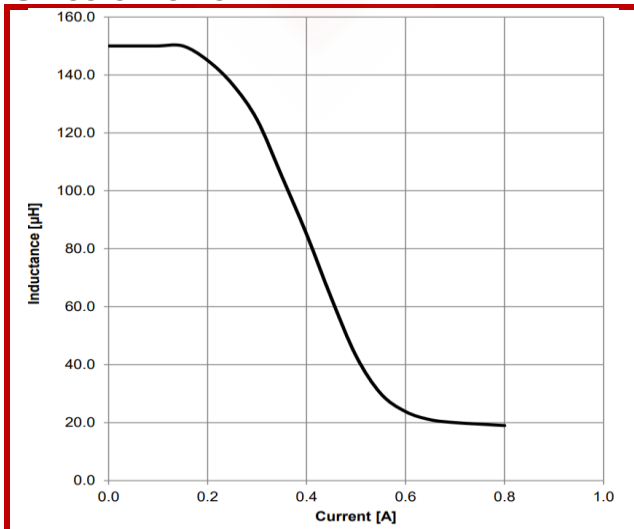
SPI03-0723-680N



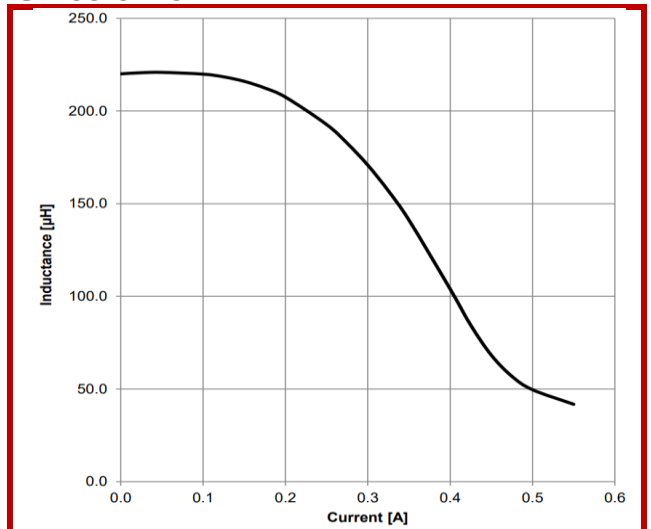
SPI03-0723-101N



SPI03-0723-151N



SPI03-0723-221N

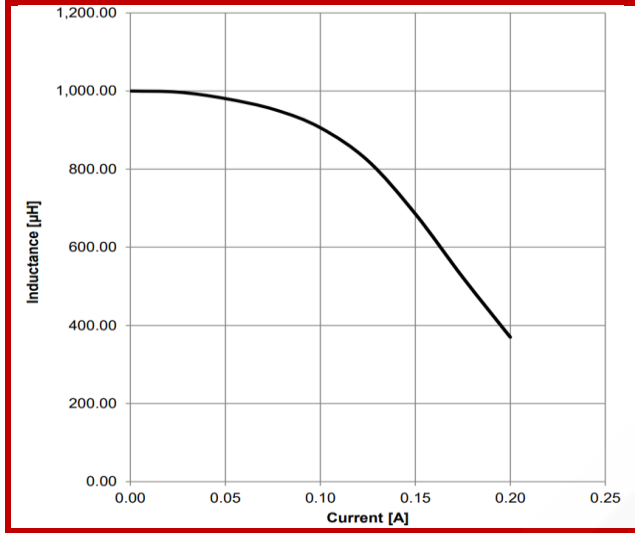




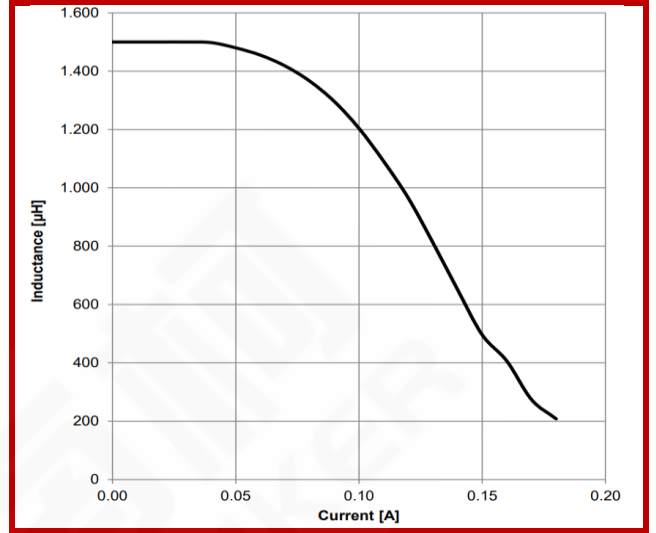
典型电感与电流特性

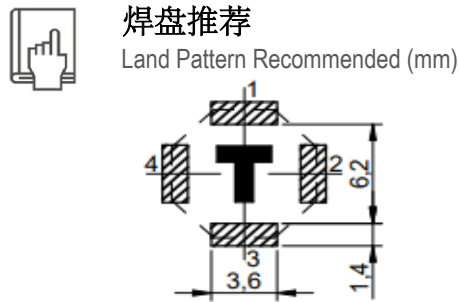
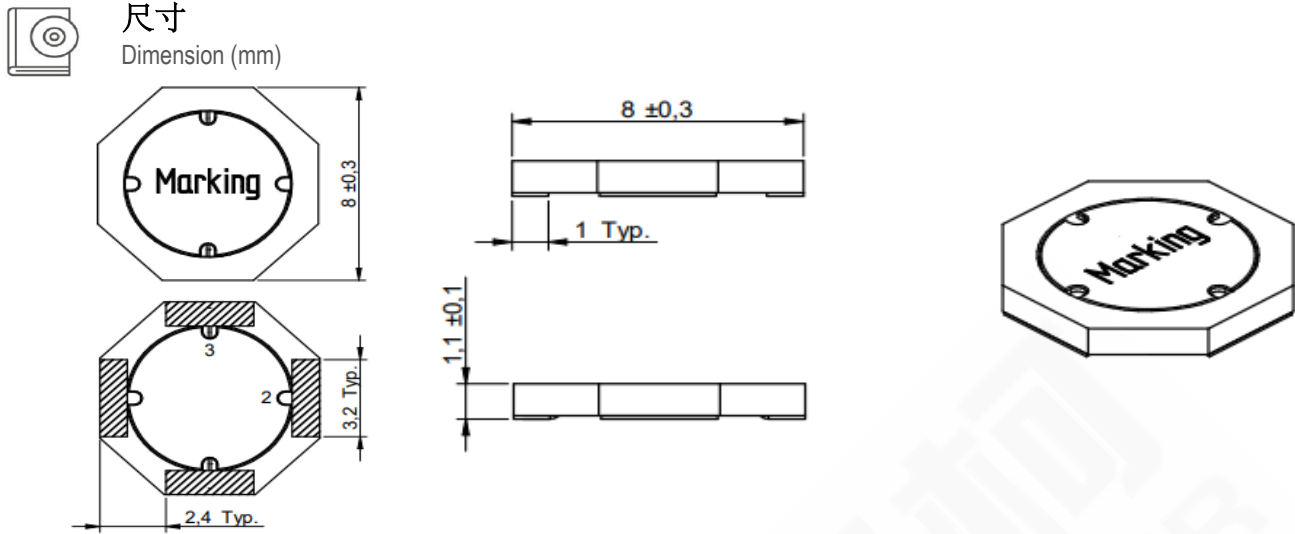
Typical Inductance vs. Current Characteristics

SPI03-0723-102N



SPI03-0723-152N





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 typ (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packaging Qty pcs
SPI03-0811-R24N	0.24 ±30%	4.10	15	5.80	550
SPI03-0811-R56N	0.56 ±30%	3.40	22	4.00	550
SPI03-0811-1R0N	1.00 ±30%	2.80	32	3.30	550
SPI03-0811-1R7N	1.70 ±30%	2.20	41	2.40	550
SPI03-0811-2R7N	2.70 ±30%	2.00	52	1.90	550
SPI03-0811-3R3N	3.30 ±30%	1.85	61	1.80	550
SPI03-0811-4R7N	4.70 ±30%	1.50	72	1.55	550
SPI03-0811-5R6N	5.60 ±30%	1.40	110	1.40	550

测试状态

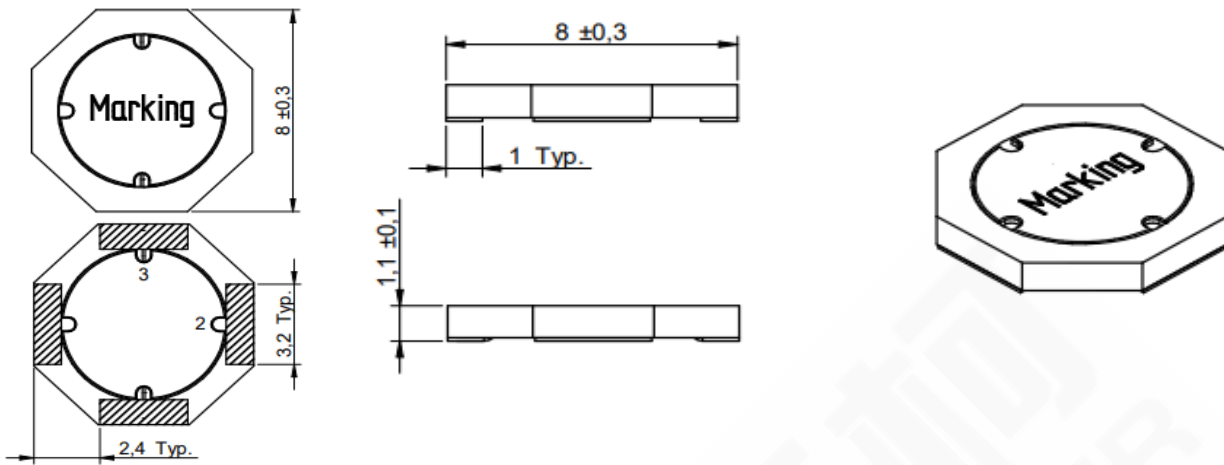
Test Condition

- ☆ 电感测试条件为 100 kHz/ 10 mA (25°C)
Inductance measure condition at 100 kHz/ 10 mA (25°C)
- ☆ 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35%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 35% of initial value



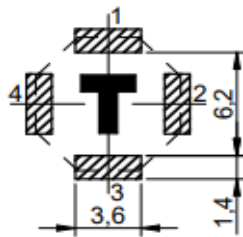
尺寸

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 DCResistance DCR typ (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packaging Qty pcs
SPI03-0811-6R8N	6.80 ±30%	4.10	127	1.20	550
SPI03-0811-8R2N	8.20 ±30%	3.40	142	1.10	550
SPI03-0811-100N	10.00 ±30%	2.80	177	1.00	550
SPI03-0811-120N	12.00 ±30%	2.20	195	0.95	550
SPI03-0811-150N	15.00 ±30%	2.00	213	0.80	550
SPI03-0811-180N	18.00 ±30%	1.85	302	0.75	550
SPI03-0811-220N	22.00 ±30%	1.50	350	0.70	550

测试状态

Test Condition

☆ 电感测试条件为 100 kHz/ 10 mA (25°C)

Inductance measure condition at 100 kHz/ 10 mA (25°C)

☆ 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35%时所加载的实际直流电流值

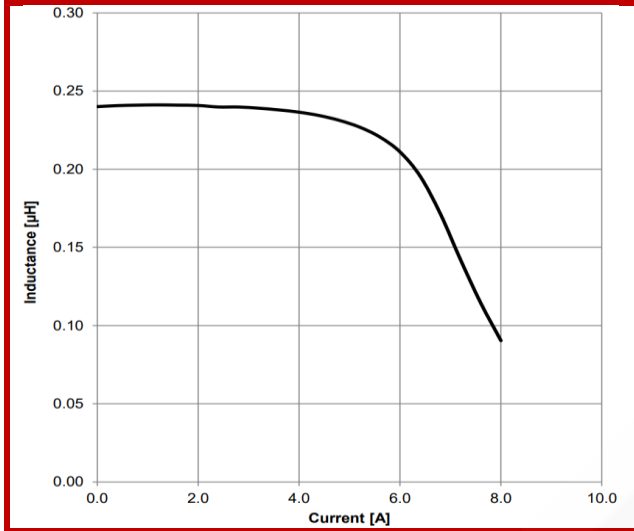
Saturation Current: The actual value of DC current when the inductance drop 35% of initial value



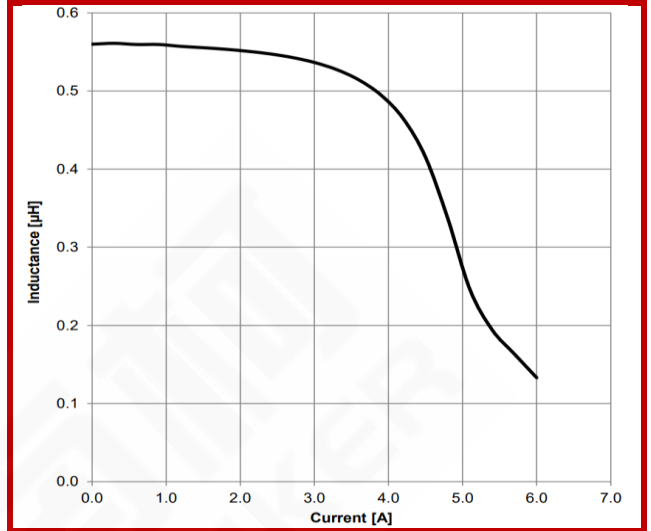
典型电感与电流特性

Typical Inductance vs. Current Characteristics

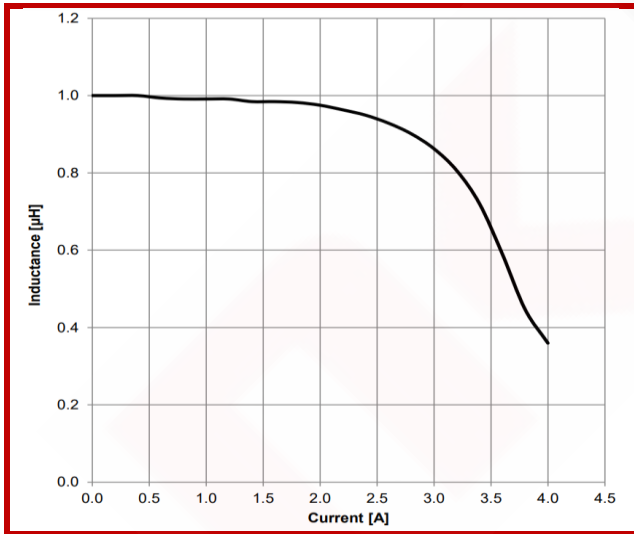
SPI03-0811-R24N



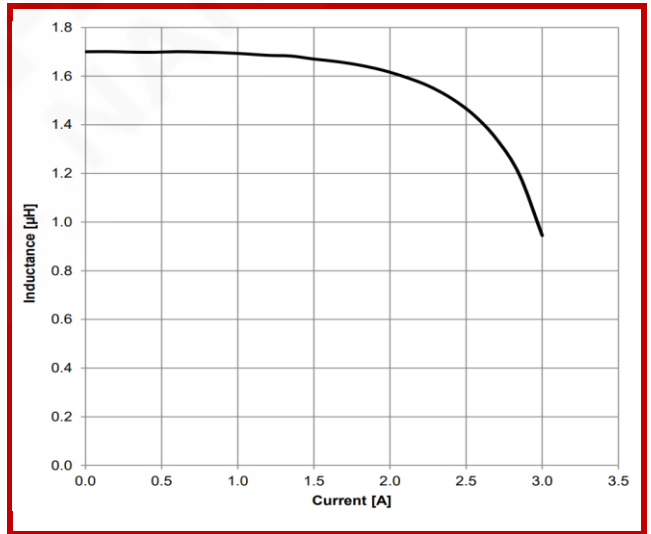
SPI03-0811-R56N



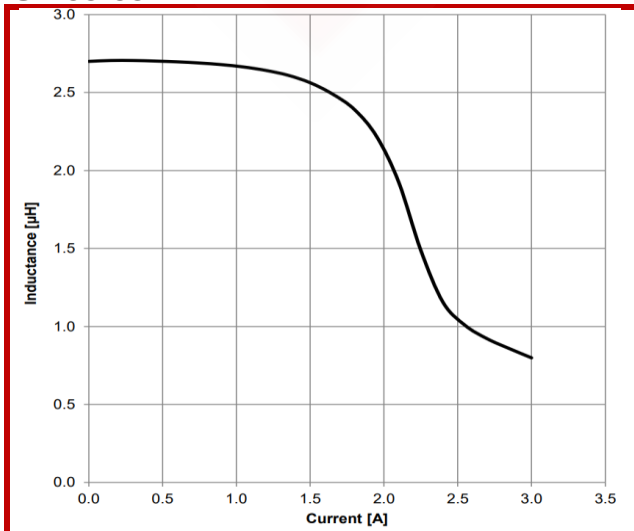
SPI03-0811-1R0N



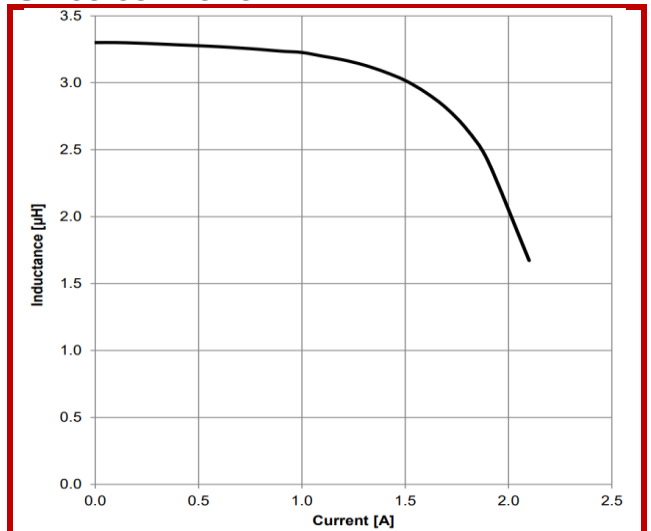
SPI03-0811-1R7N

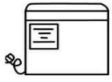


SPI03-0811-2R7N



SPI03-0811-3R3N

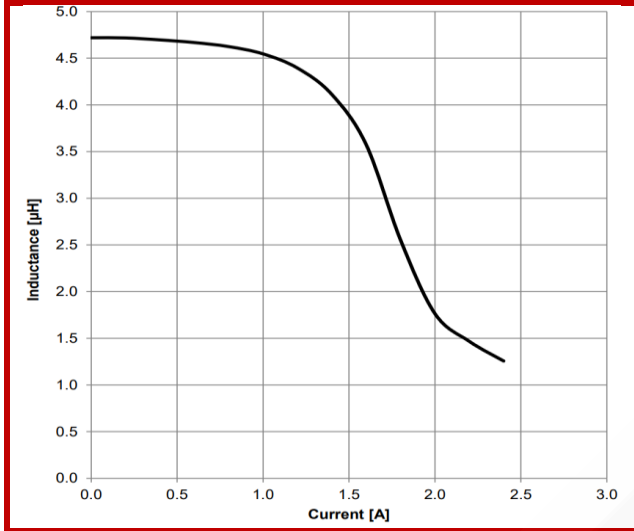




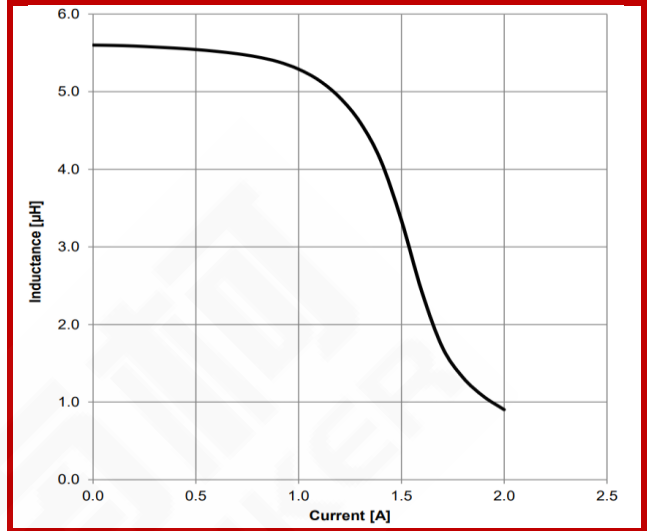
典型电感与电流特性

Typical Inductance vs. Current Characteristics

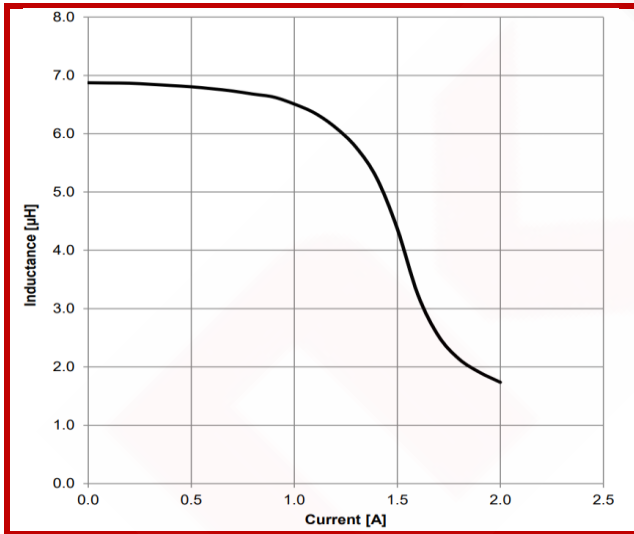
SPI03-0811-4R7N



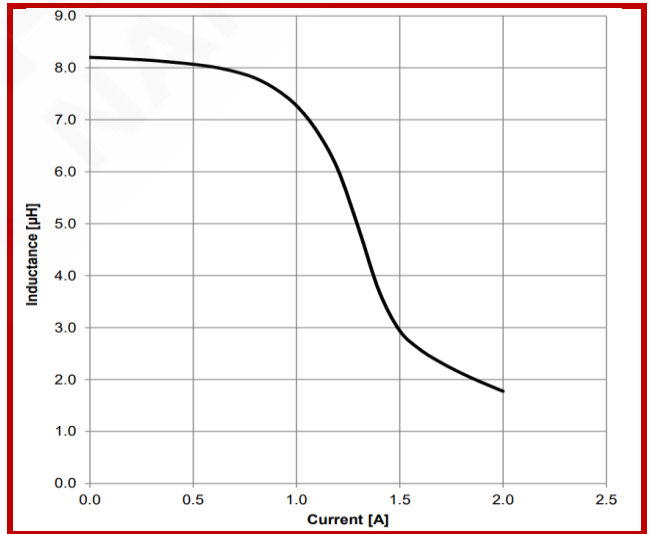
SPI03-0811-5R6N



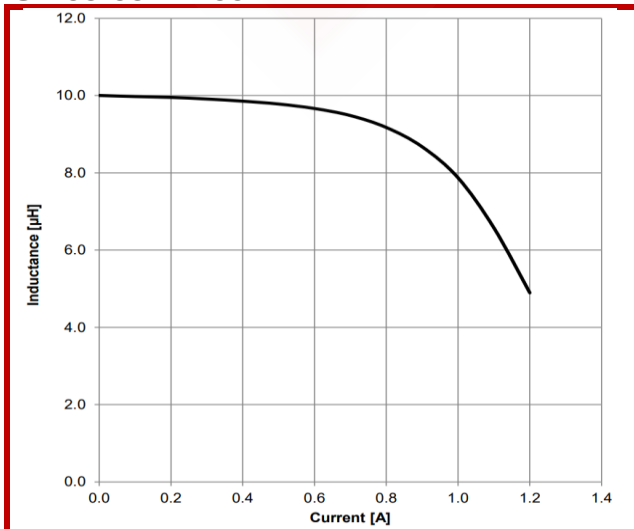
SPI03-0811-6R8N



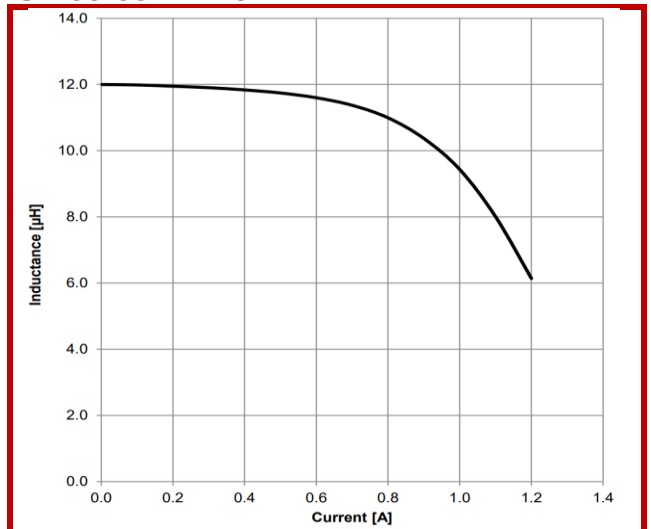
SPI03-0811-8R2N



SPI03-0811-100N



SPI03-0811-120N

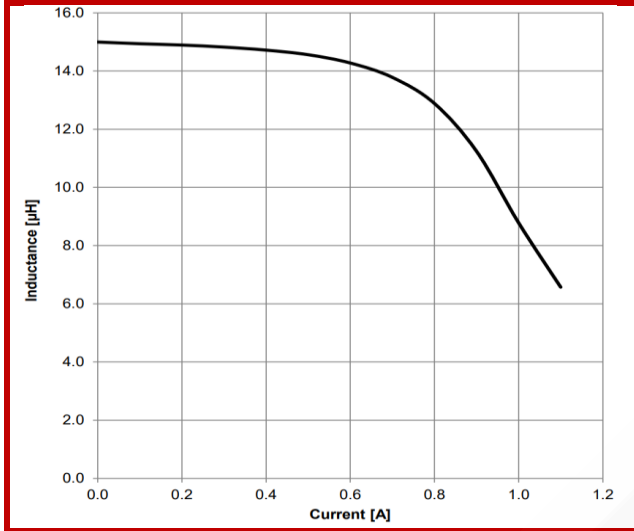




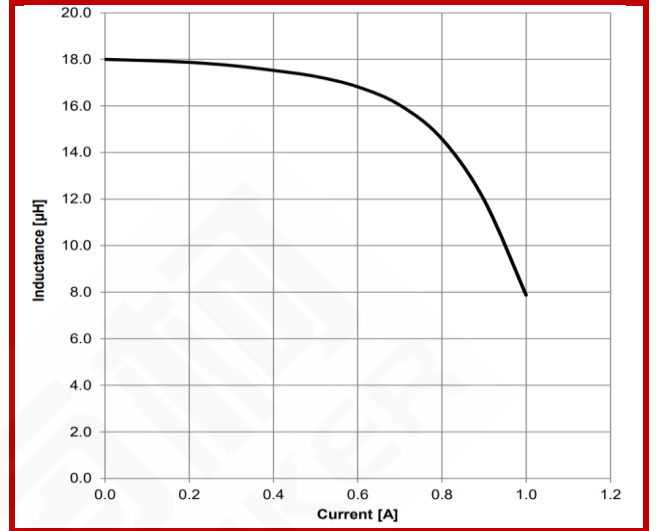
典型电感与电流特性

Typical Inductance vs. Current Characteristics

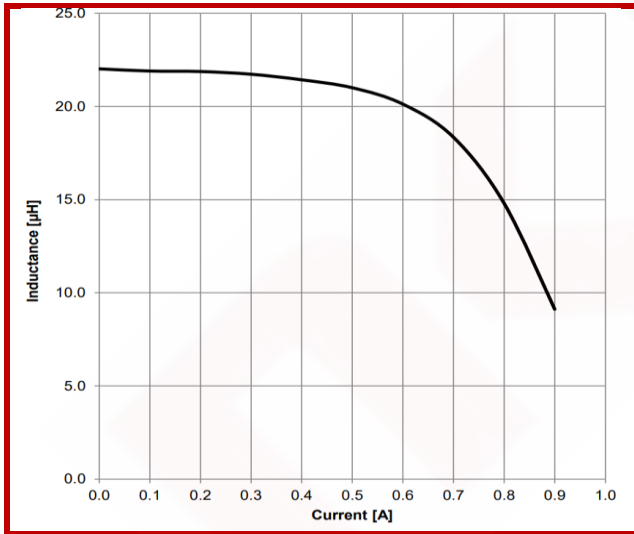
SPI03-0811-150N



SPI03-0811-180N



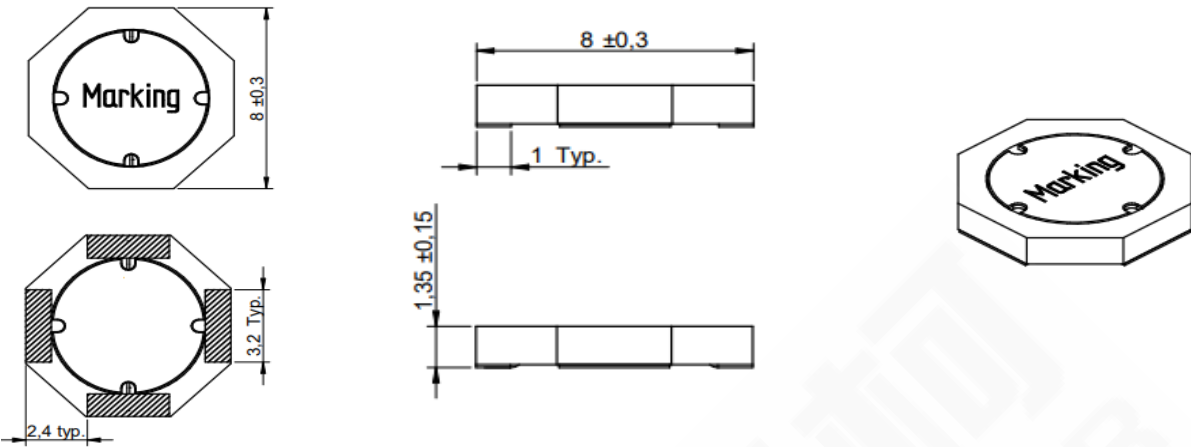
SPI03-0811-220N





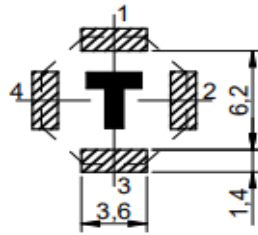
尺寸

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 DCResistance DCR typ (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packaging Qty pcs
SPI03-0813-R22N	0.22 ±30%	5.50	9	7.50	550
SPI03-0813-R52N	0.52 ±30%	4.30	15	5.80	550
SPI03-0813-1R0N	1.00 ±30%	3.60	21	3.80	550
SPI03-0813-1R6N	1.60 ±30%	3.10	29	3.30	550
SPI03-0813-2R2N	2.20 ±30%	2.80	35	2.85	550
SPI03-0813-3R3N	3.30 ±30%	2.55	42	2.30	550
SPI03-0813-4R7N	4.70 ±30%	2.20	56	1.80	550

测试状态

Test Condition

☆ 电感测试条件为 100 kHz/ 10 mA (25°C)

Inductance measure condition at 100 kHz/ 10 mA (25°C)

☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

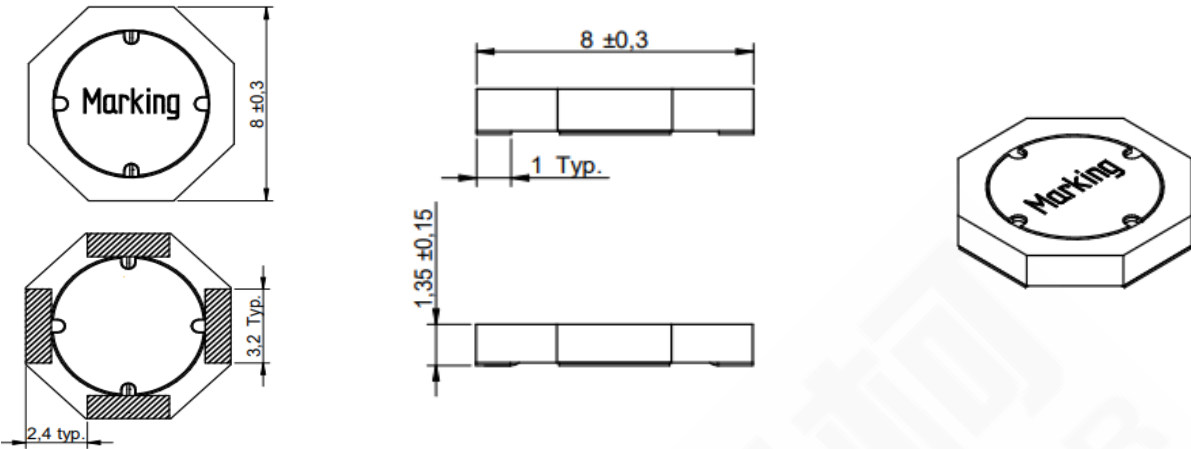
☆ 饱和电流: 电感值下降其初始值的35%时所加载的实际直流电流值

Saturation Current: The actual value of DC current when the inductance drop 35% of initial value



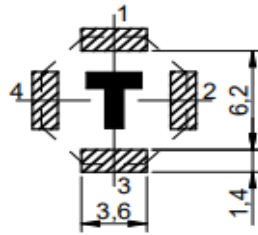
尺寸

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 DCResistance DCR typ (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packaging Qty pcs
SPI03-0813-6R8N	6.80 ±30%	1.75	88	1.65	550
SPI03-0813-8R2N	8.20 ±30%	1.65	99	1.50	550
SPI03-0813-100N	10.00 ±30%	1.55	112	1.25	550
SPI03-0813-120N	12.00 ±30%	1.35	148	1.20	550
SPI03-0813-150N	15.00 ±30%	1.25	179	1.10	550
SPI03-0813-180N	18.00 ±30%	1.10	225	1.05	550
SPI03-0813-220N	22.00 ±30%	1.00	272	0.90	550

测试状态

Test Condition

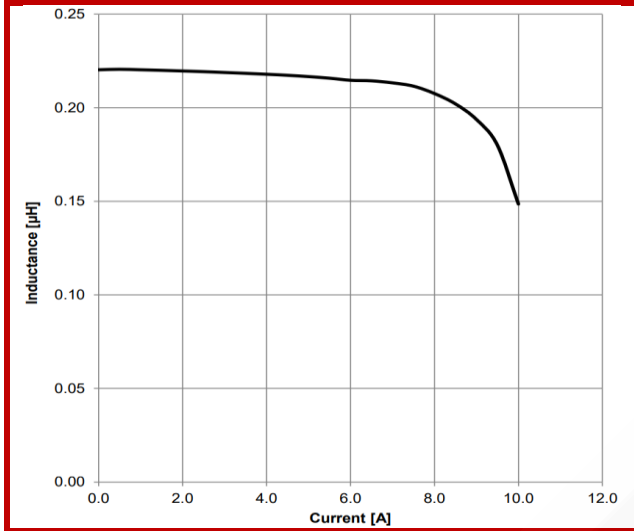
- ☆ 电感测试条件为 100 kHz/ 10 mA (25°C)
Inductance measure condition at 100 kHz/ 10 mA (25°C)
- ☆ 工作温度: -40°C ~ +125°C
Operating Temperature: -40°C ~ +125°C
- ☆ 饱和电流: 电感值下降其初始值的35%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 35% of initial value



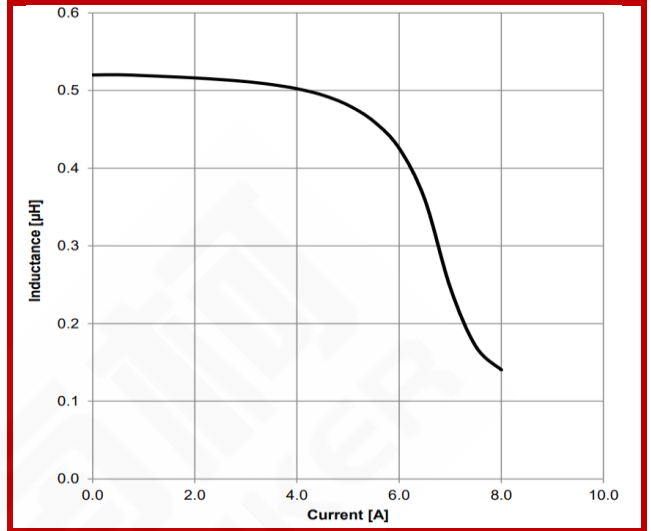
典型电感与电流特性

Typical Inductance vs. Current Characteristics

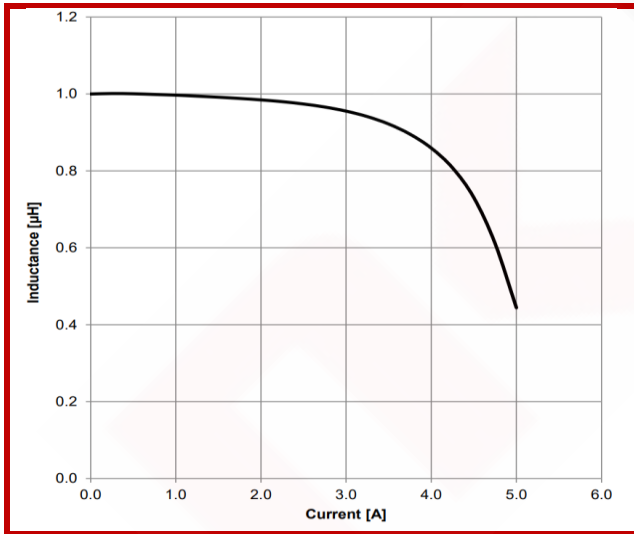
SPI03-0813-R22N



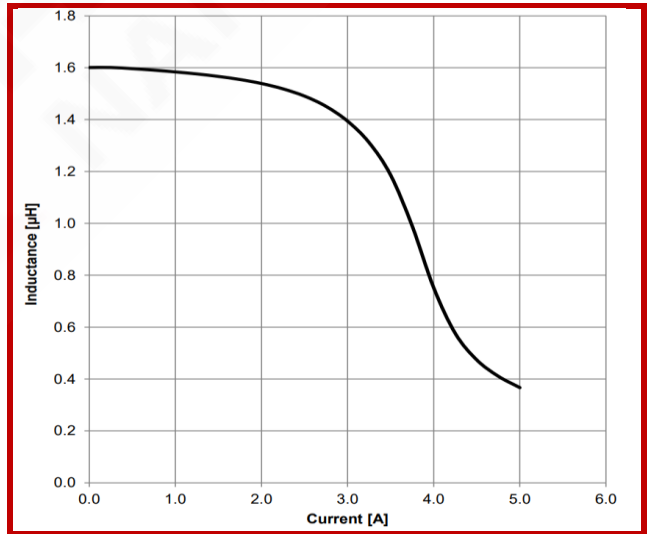
SPI03-0813-R52N



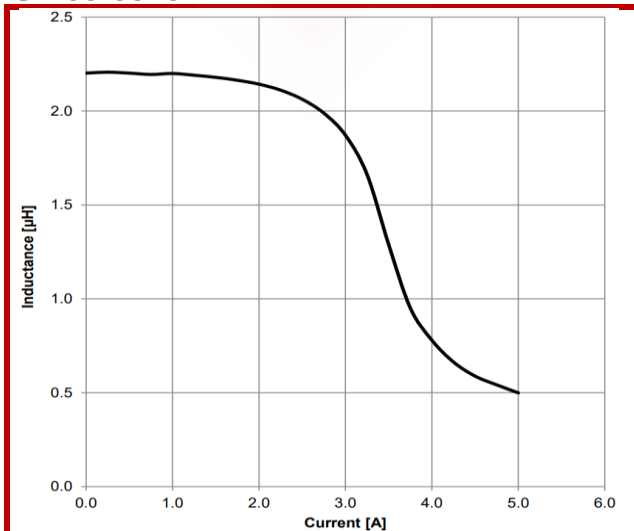
SPI03-0813-1R0N



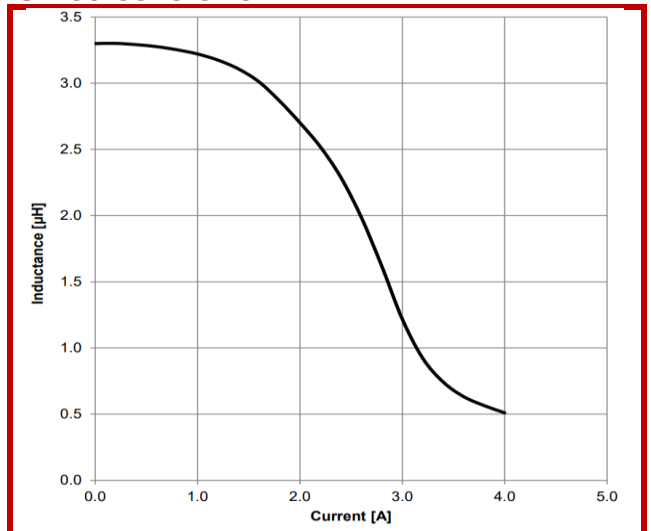
SPI03-0813-1R6N



SPI03-0813-2R2N



SPI03-0813-3R3N

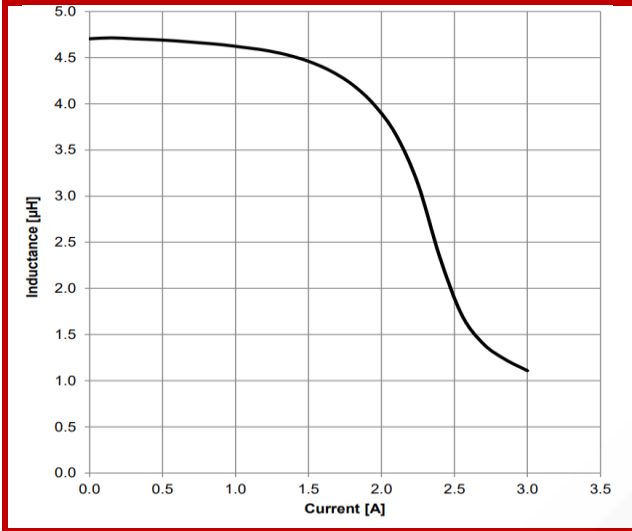




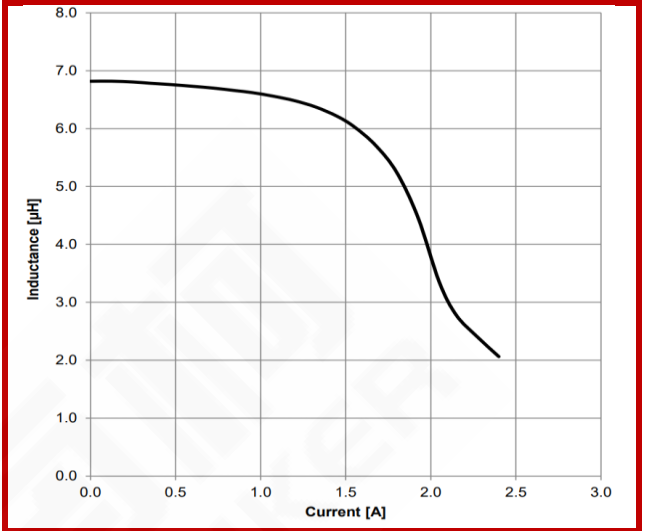
典型电感与电流特性

Typical Inductance vs. Current Characteristics

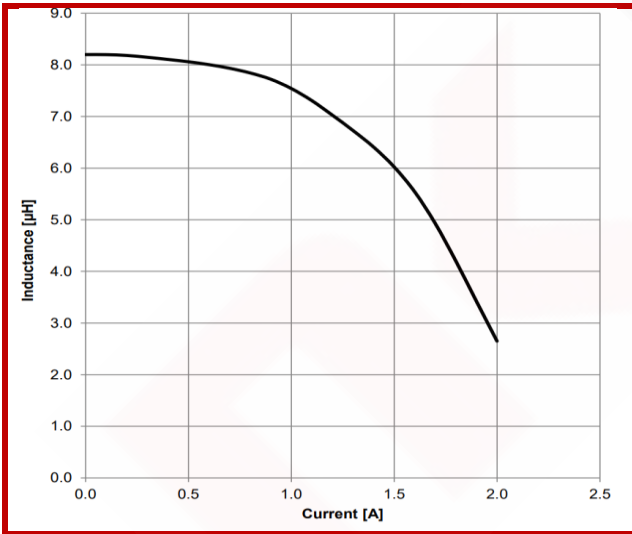
SPI03-0813-4R7N



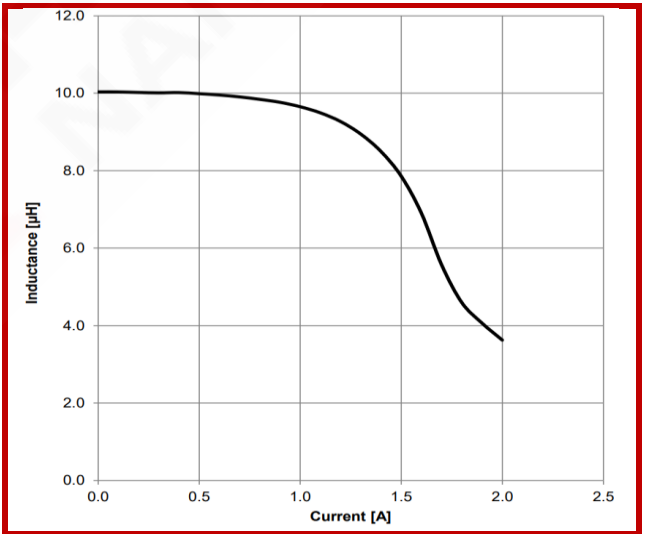
SPI03-0813-6R8N



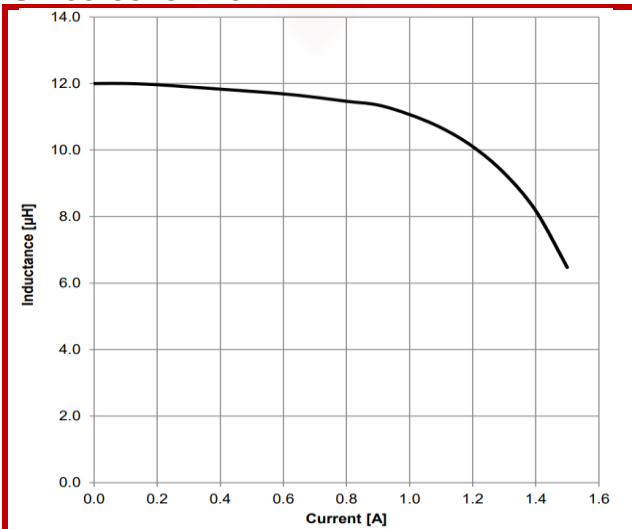
SPI03-0813-8R2N



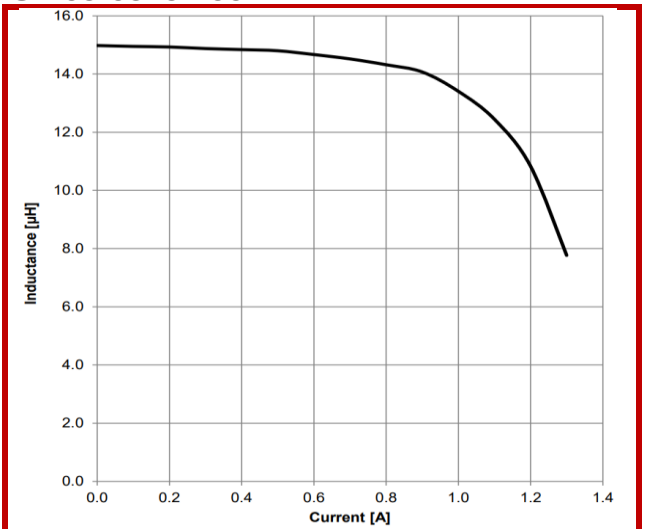
SPI03-0813-100N



SPI03-0813-120N



SPI03-0813-150N

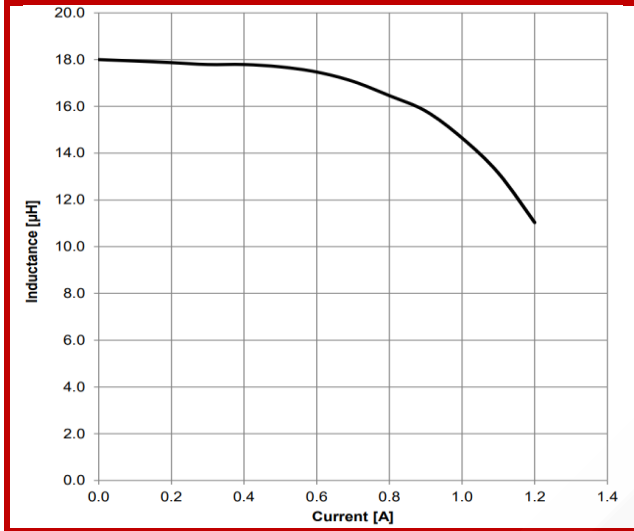




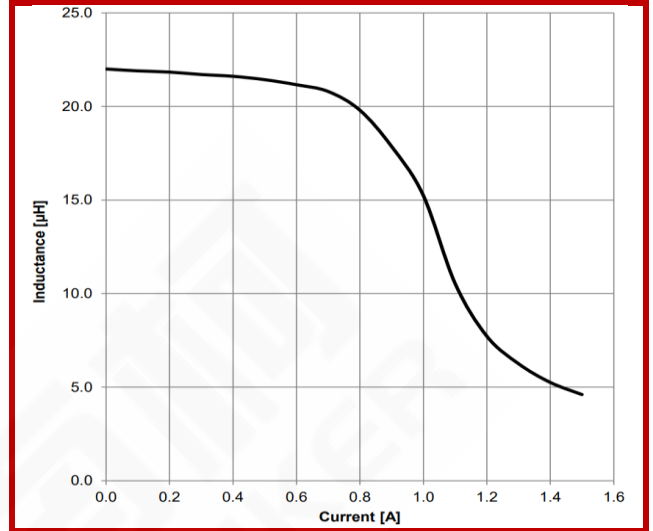
典型电感与电流特性

Typical Inductance vs. Current Characteristics

SPI03-0813-180N



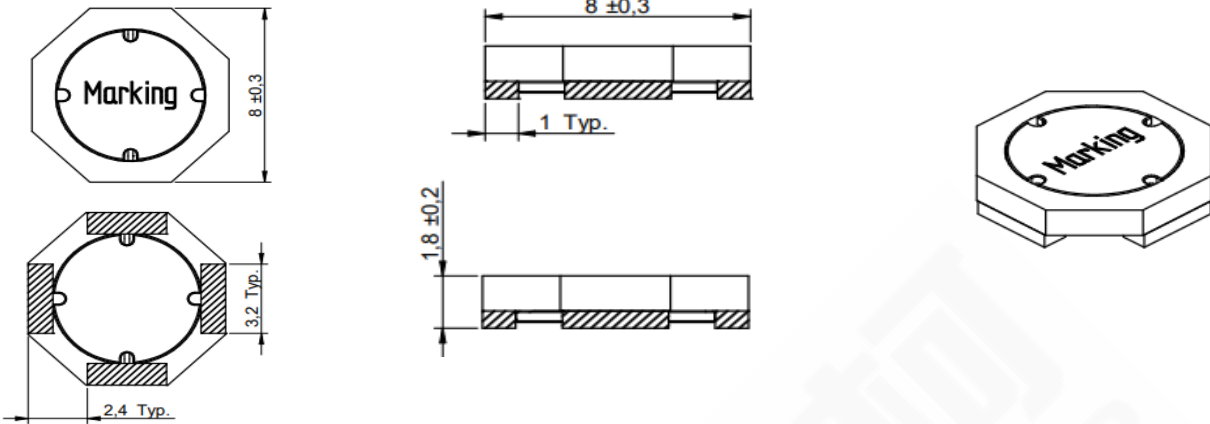
SPI03-0813-220N





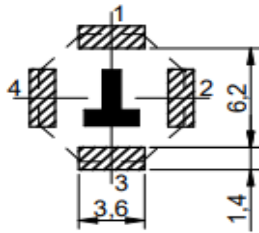
尺寸

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 typ (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packaging Qty pcs
SPI03-0818-R18N	0.18 ±30%	8.50	3.51	9.00	550
SPI03-0818-R47N	0.47 ±30%	7.00	5.80	6.50	550
SPI03-0818-R82N	0.82 ±30%	6.20	8.50	5.50	550
SPI03-0818-1R2N	1.20 ±30%	4.80	12.50	4.20	550
SPI03-0818-2R2N	2.20 ±30%	4.60	17.00	3.20	550
SPI03-0818-3R3N	3.30 ±30%	3.20	30.00	2.55	550
SPI03-0818-4R7N	4.70 ±30%	3.00	37.00	2.20	550

测试状态

Test Condition

☆ 电感测试条件为 100 kHz/ 10 mA (25°C)

Inductance measure condition at 100 kHz/ 10 mA (25°C)

☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

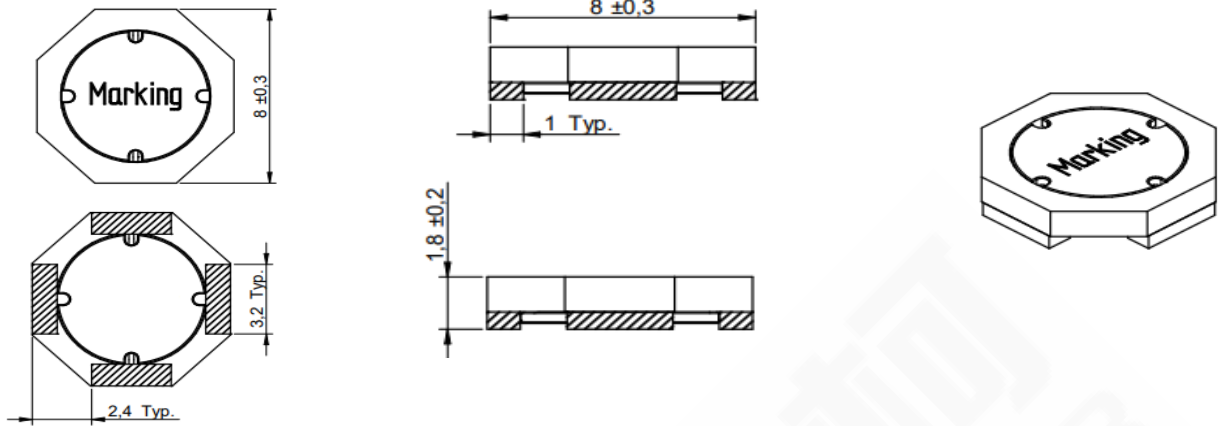
☆ 饱和电流: 电感值下降其初始值的35%时所加载的实际直流电流值

Saturation Current: The actual value of DC current when the inductance drop 35% of initial value



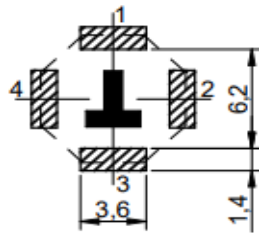
尺寸

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 typ (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packaging Qty pcs
SPI03-0818-5R6N	5.60 ±30%	2.60	47	2.00	550
SPI03-0818-6R8N	6.80 ±30%	2.40	56	1.80	550
SPI03-0818-8R2N	8.20 ±30%	2.20	71	1.70	550
SPI03-0818-100N	10.00 ±30%	2.00	78	1.55	550
SPI03-0818-150N	15.00 ±30%	1.65	117	1.25	550
SPI03-0818-180N	18.00 ±30%	1.50	135	1.10	550
SPI03-0818-220N	22.00 ±30%	1.30	166	1.00	550

测试状态

Test Condition

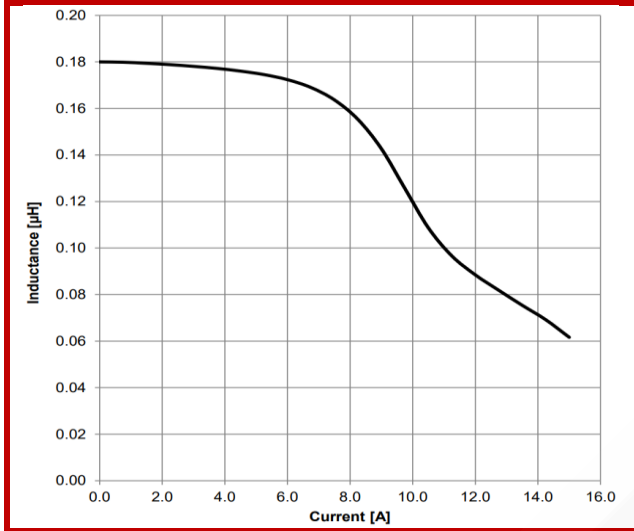
- ☆ 电感测试条件为 100 kHz/ 10 mA (25°C)
Inductance measure condition at 100 kHz/ 10 mA (25°C)
- ☆ 工作温度: -40°C ~ +125°C
Operating Temperature: -40°C ~ +125°C
- ☆ 饱和电流: 电感值下降其初始值的35%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 35% of initial value



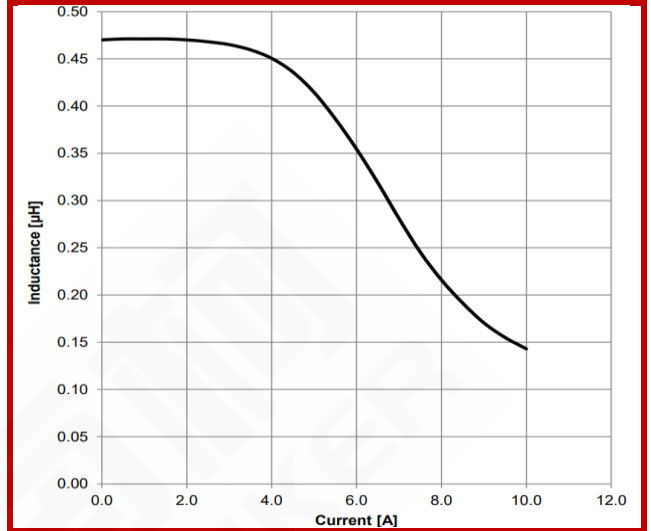
典型电感与电流特性

Typical Inductance vs. Current Characteristics

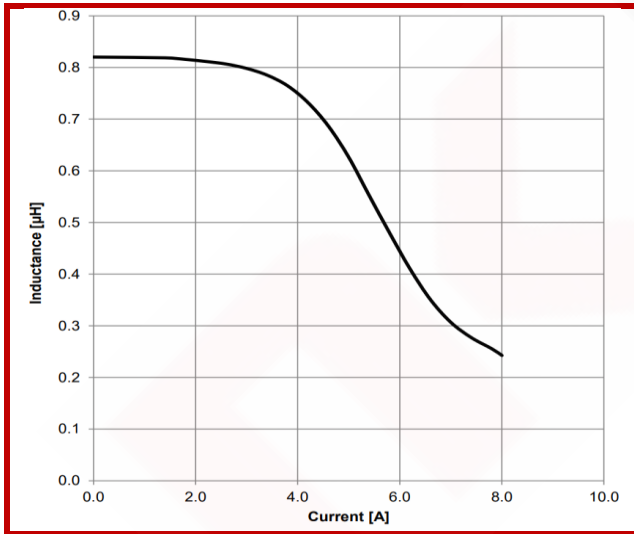
SPI03-0818-R18N



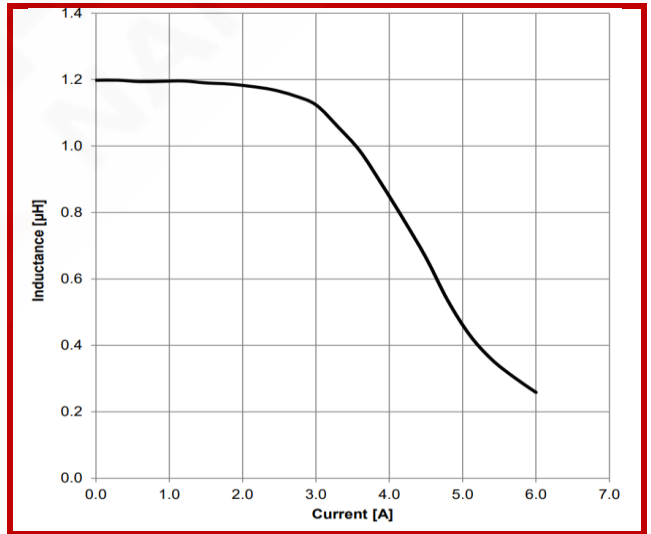
SPI03-0818-R47N



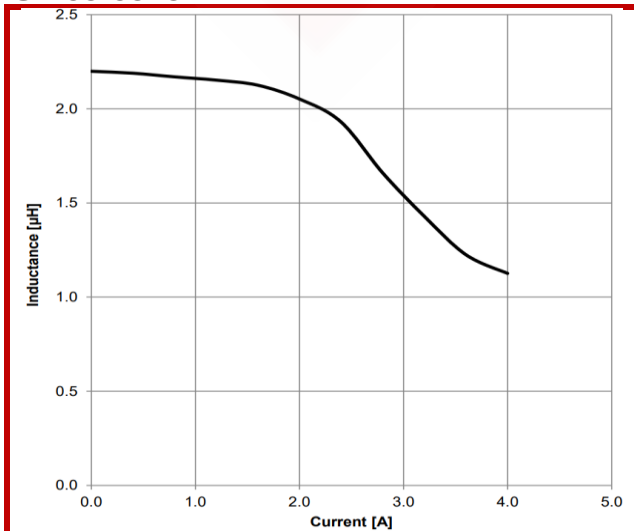
SPI03-0818-R82N



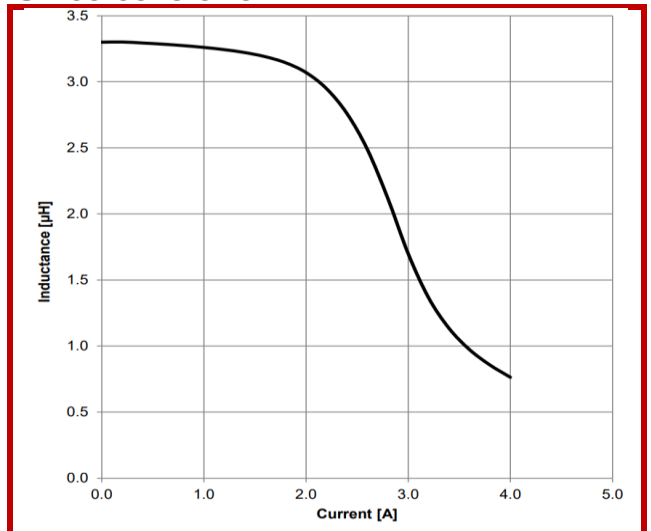
SPI03-0818-1R2N



SPI03-0818-2R2N



SPI03-0818-3R3N

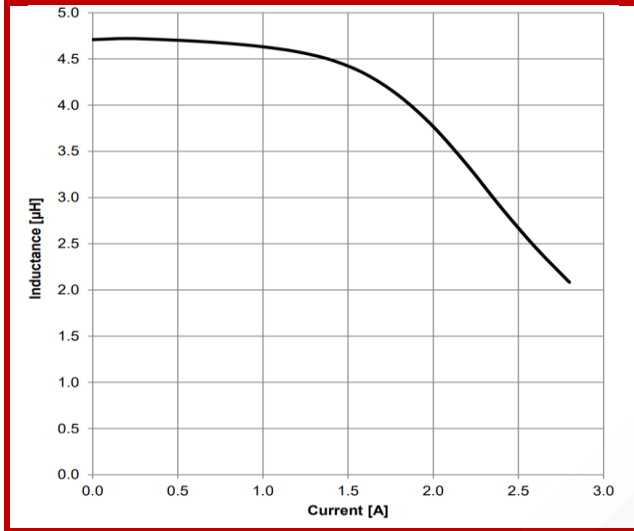




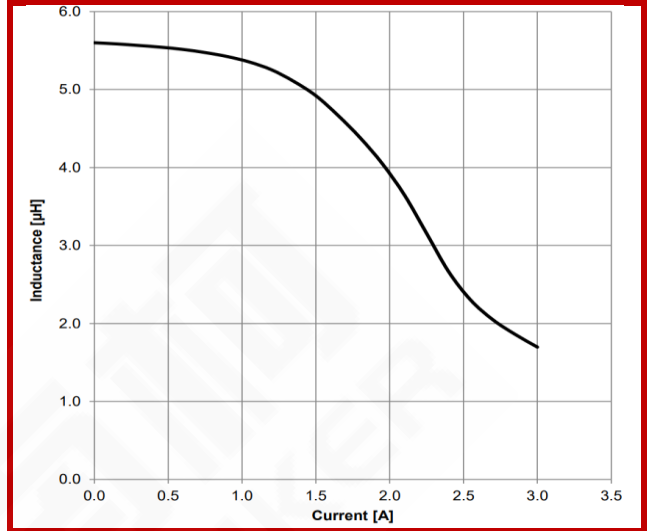
典型电感与电流特性

Typical Inductance vs. Current Characteristics

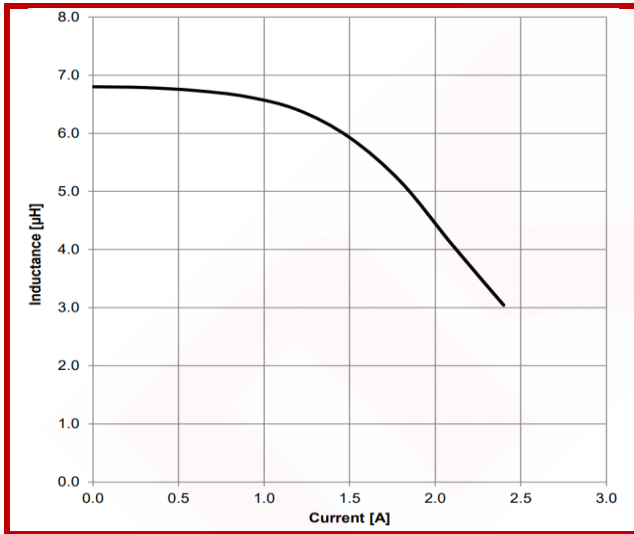
SPI03-0818-4R7N



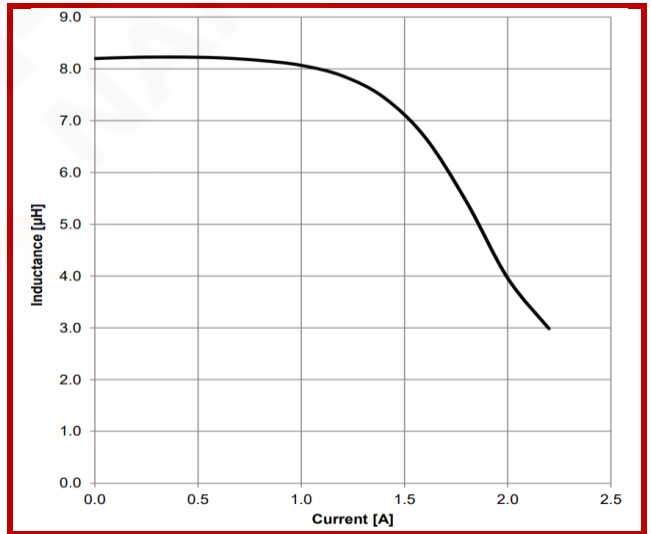
SPI03-0818-5R6N



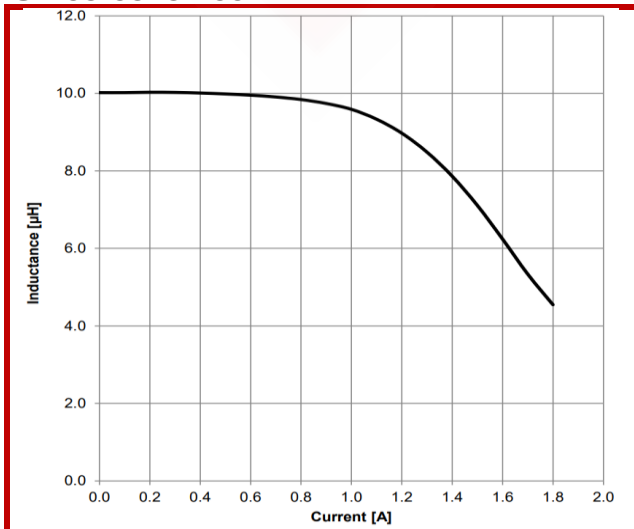
SPI03-0818-6R8N



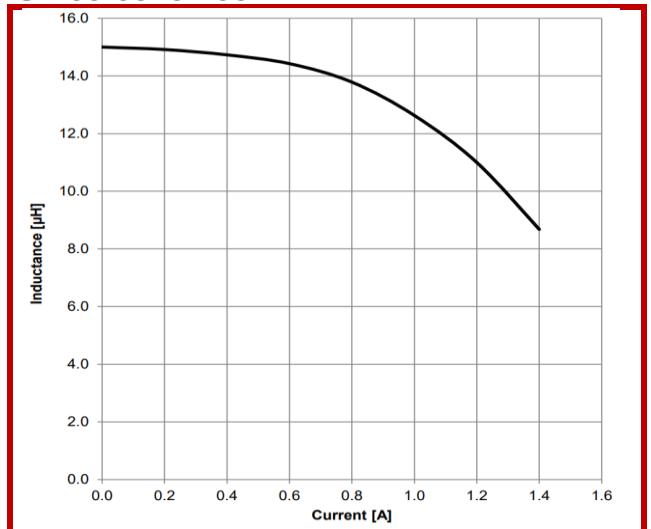
SPI03-0818-8R2N



SPI03-0818-100N



SPI03-0818-150N

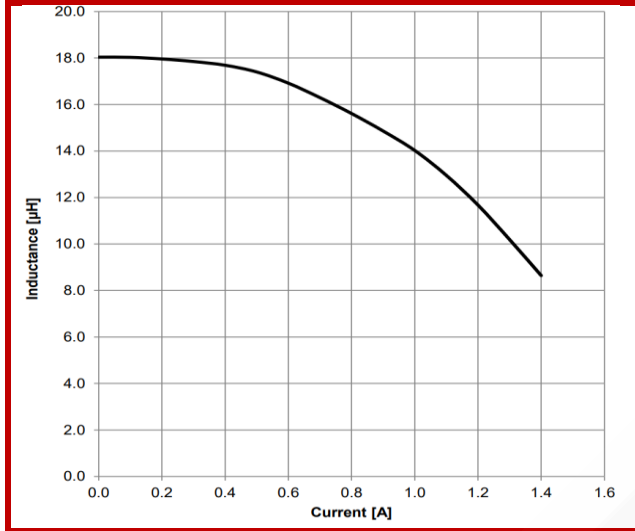




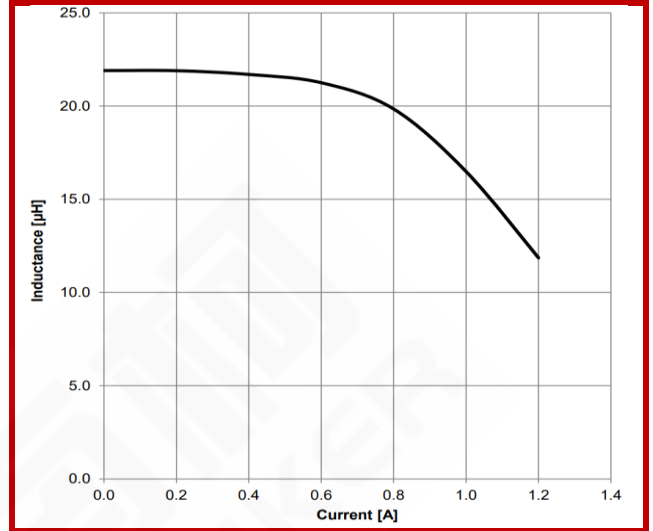
典型电感与电流特性

Typical Inductance vs. Current Characteristics

SPI03-0818-180N



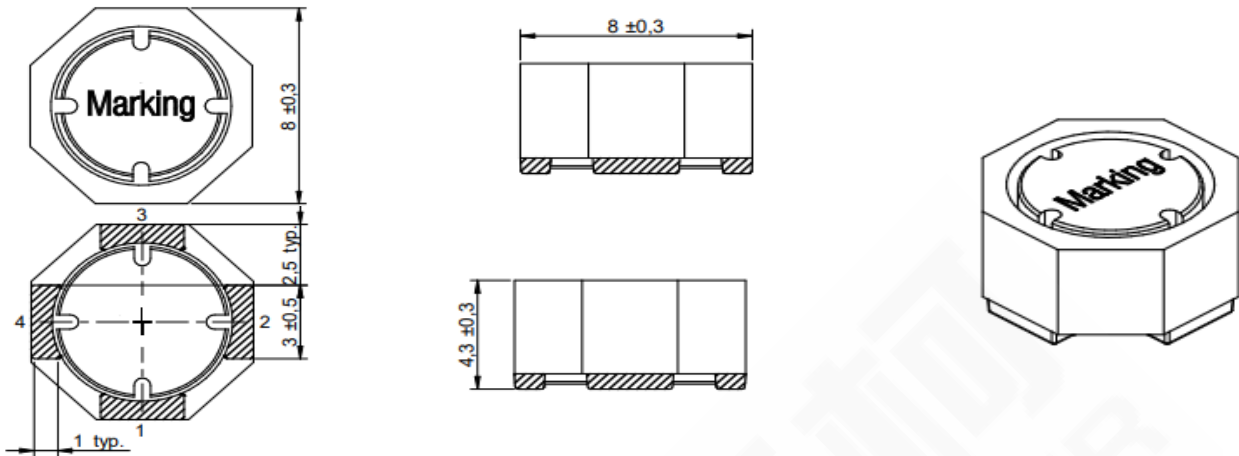
SPI03-0818-220N





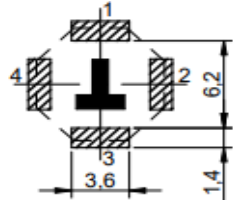
尺寸

Dimension (mm)



焊盘推荐

Land Pattern Recommended (mm)



示意图

Schematics



电性特性

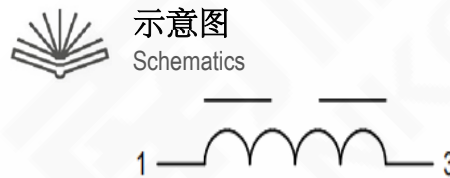
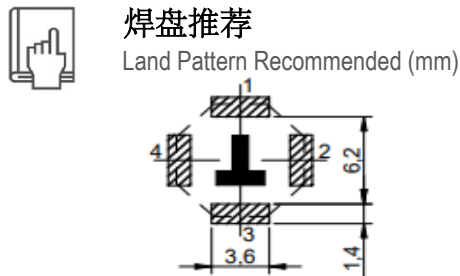
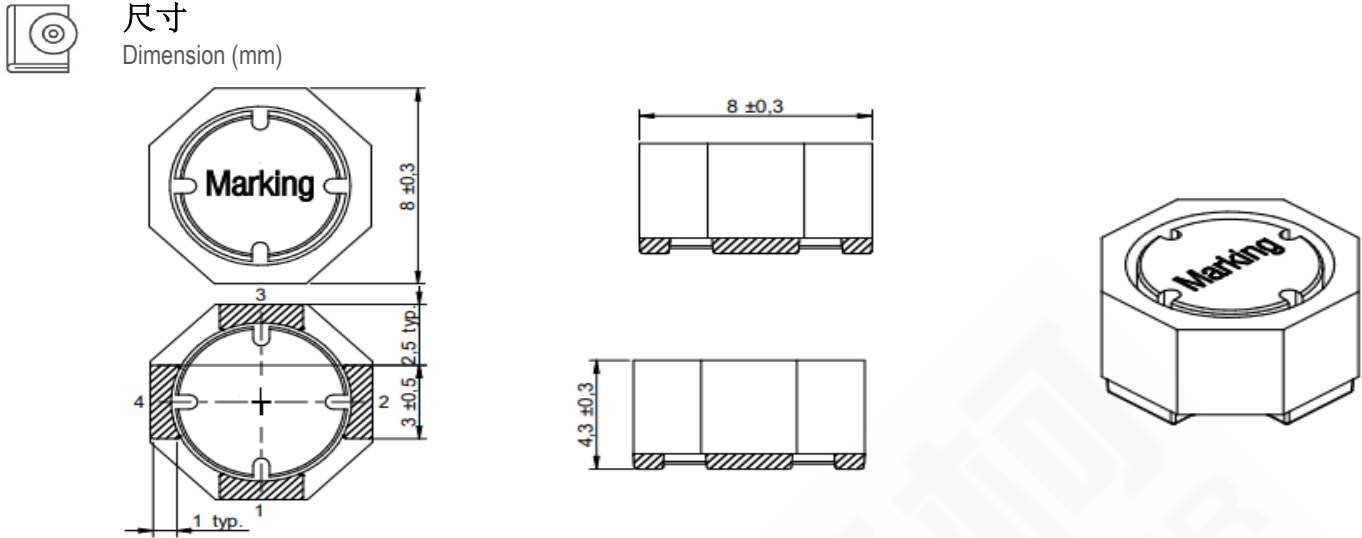
Electrical Properties

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 typ (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packaging Qty pcs
SPI03-0843-R82N	0.82 ±30%	7.30	7.00	8.00	330
SPI03-0843-2R2N	2.20 ±30%	5.40	10.00	6.30	330
SPI03-0843-3R9N	3.90 ±30%	4.90	13.00	4.50	330
SPI03-0843-4R7N	4.70 ±30%	4.80	17.00	4.30	330
SPI03-0843-5R6N	5.60 ±30%	4.00	20.00	4.00	330
SPI03-0843-100N	10.00 ±30%	3.40	28.00	2.80	330
SPI03-0843-150N	15.00 ±30%	2.80	46.00	2.30	330

测试状态

Test Condition

- ☆ 电感测试条件为 100 kHz/ 10 mA (25°C)
Inductance measure condition at 100 kHz/ 10 mA (25°C)
- ☆ 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35%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 35% of initial value



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 typ (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packaging Qty pcs
SPI03-0843-220N	22.00 ±30%	2.30	65	1.90	330
SPI03-0843-330N	33.00 ±30%	1.90	95	1.50	330
SPI03-0843-470N	47.00 ±30%	1.60	120	1.30	330
SPI03-0843-680N	68.00 ±30%	1.30	185	1.10	330
SPI03-0843-101N	100.00 ±30%	1.00	270	0.90	330
SPI03-0843-221N	220.00 ±30%	0.72	510	0.60	330
SPI03-0843-102N	1,000.00 ±30%	0.23	2,985	0.34	330

测试状态

Test Condition

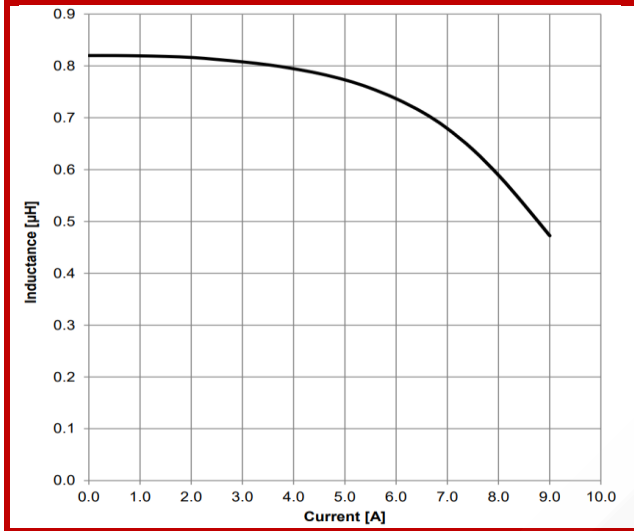
- ☆ 电感测试条件为 100 kHz/ 10 mA (25°C)
Inductance measure condition at 100 kHz/ 10 mA (25°C)
- ☆ 工作温度: -40°C ~ +125°C
Operating Temperature: -40°C ~ +125°C
- ☆ 饱和电流: 电感值下降其初始值的35%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 35% of initial value



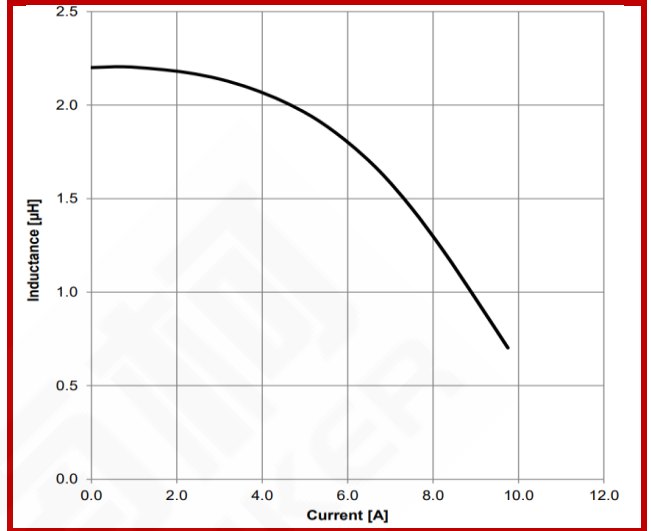
典型电感与电流特性

Typical Inductance vs. Current Characteristics

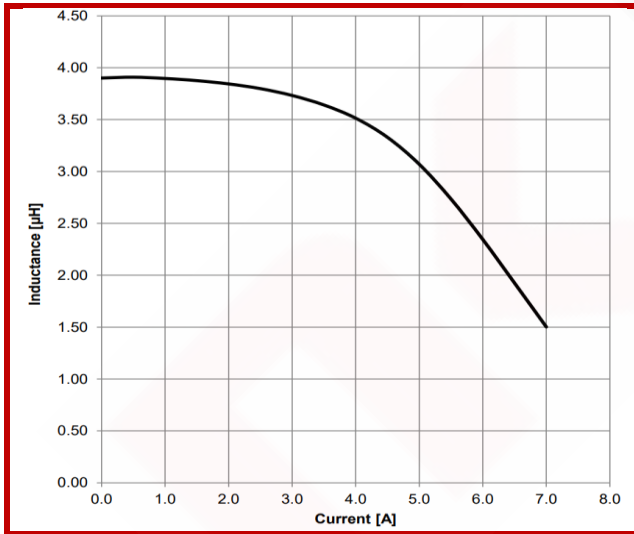
SPI03-0843-R82N



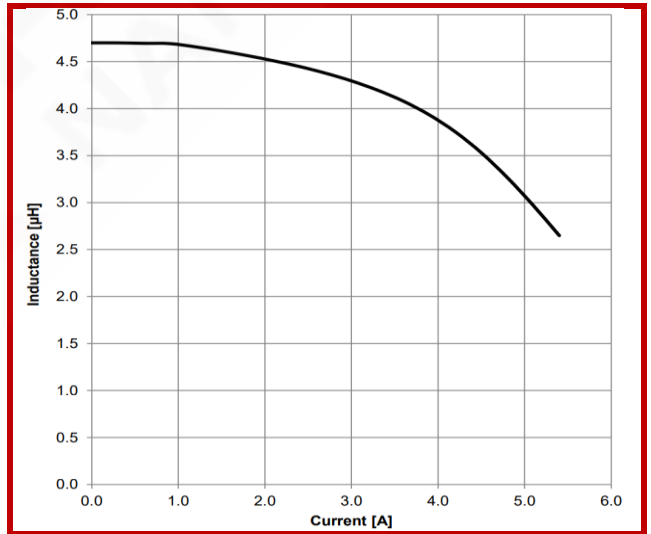
SPI03-0843-2R2N



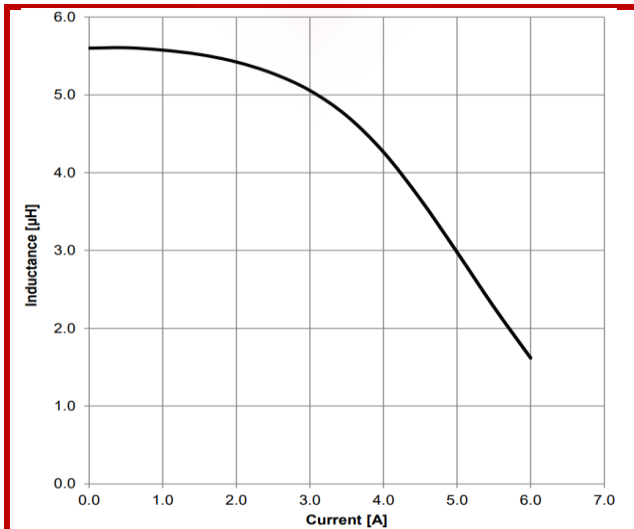
SPI03-0843-3R9N



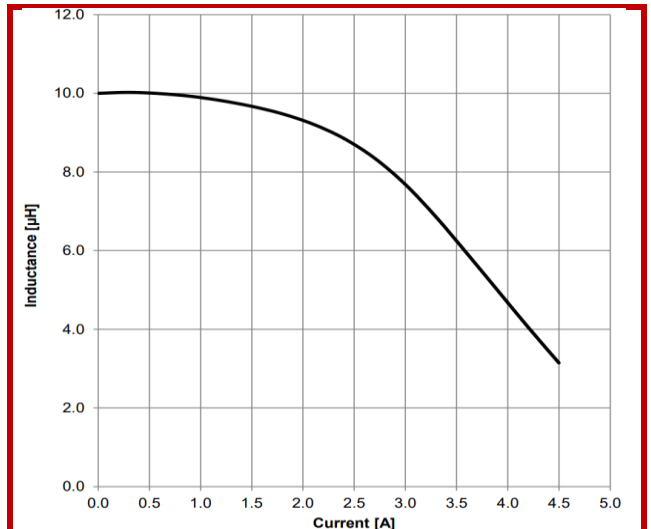
SPI03-0843-4R7N



SPI03-0843-5R6N



SPI03-0843-100N

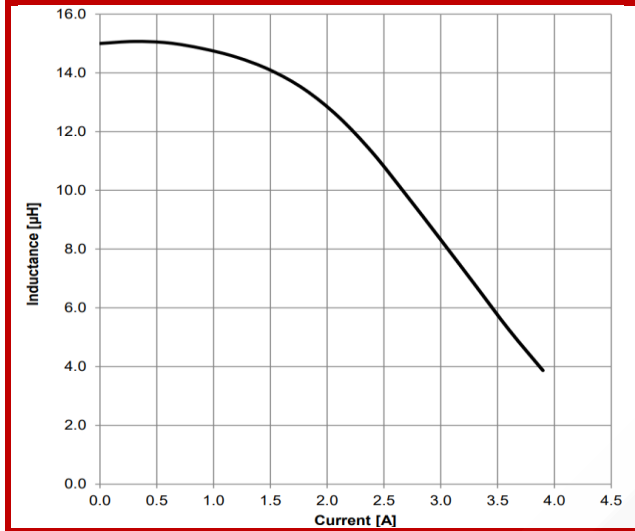




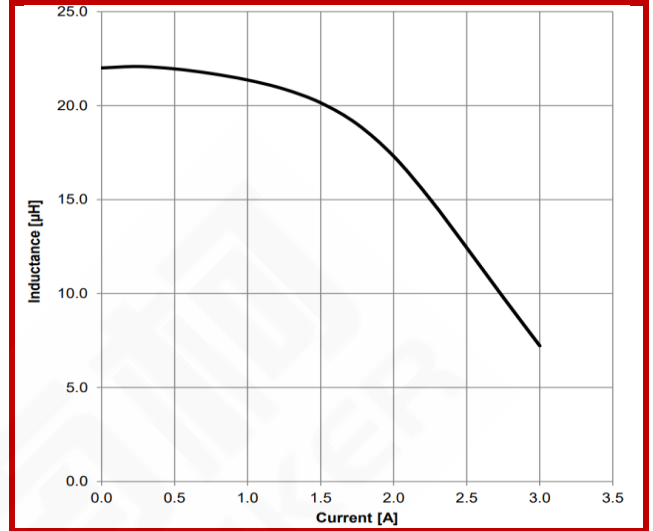
典型电感与电流特性

Typical Inductance vs. Current Characteristics

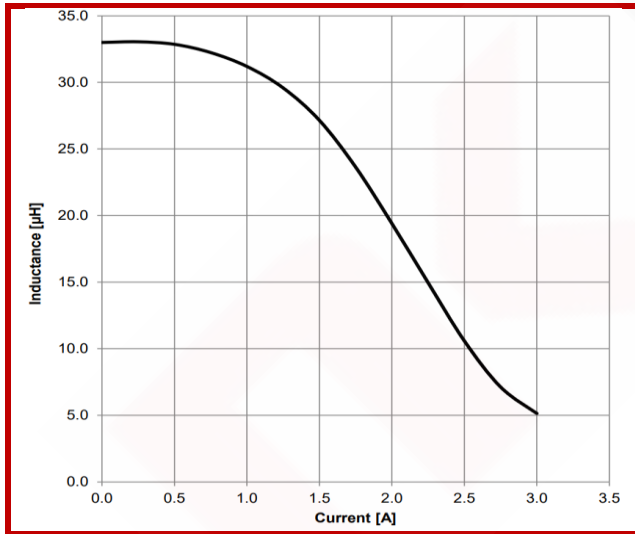
SPI03-0843-150N



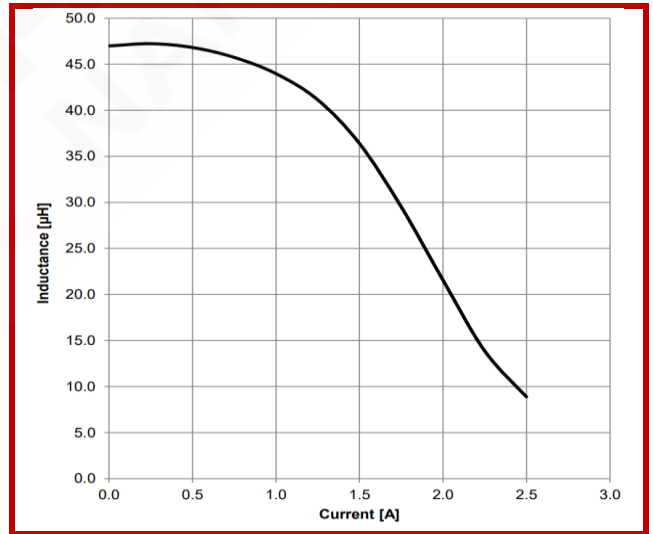
SPI03-0843-220N



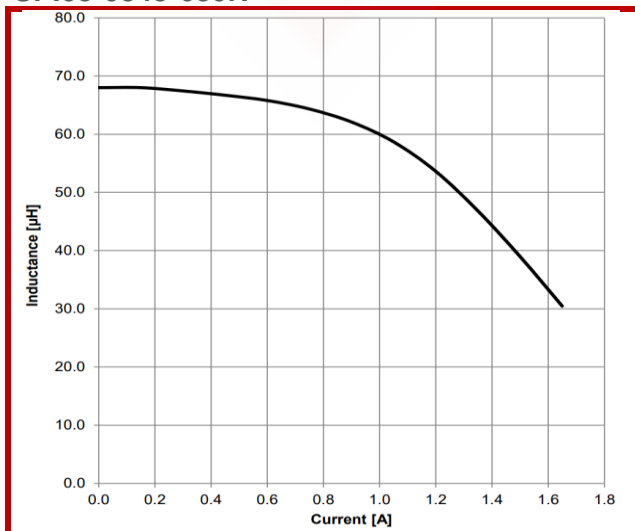
SPI03-0843-330N



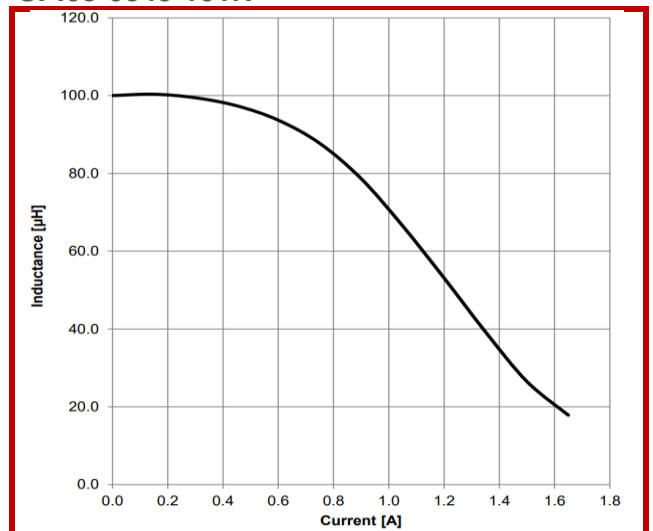
SPI03-0843-470N



SPI03-0843-680N



SPI03-0843-101N

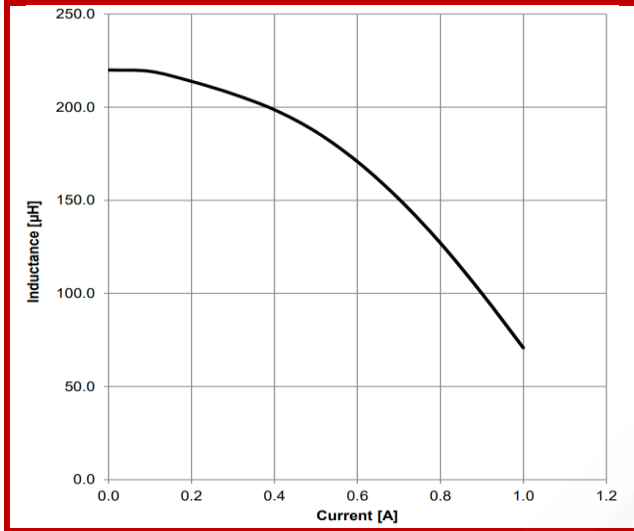




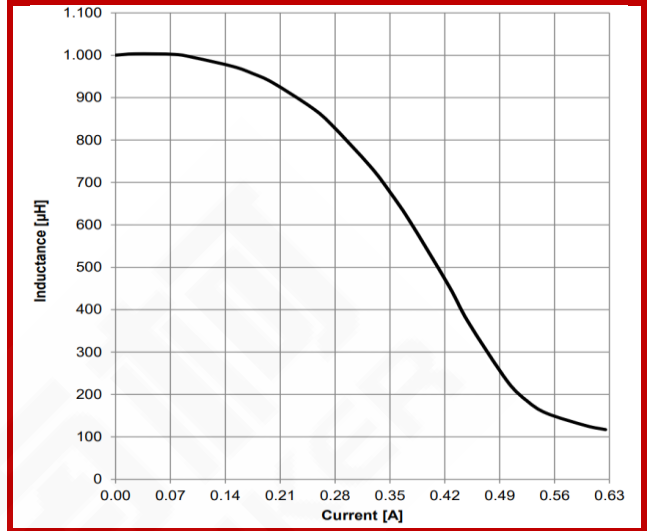
典型电感与电流特性

Typical Inductance vs. Current Characteristics

SPI03-0843-221N



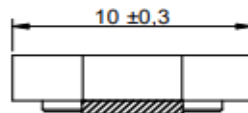
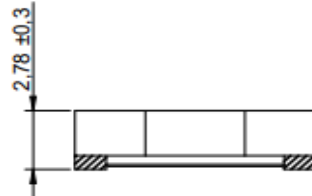
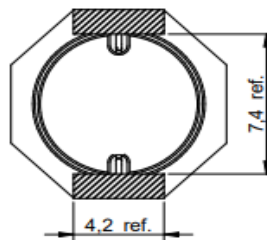
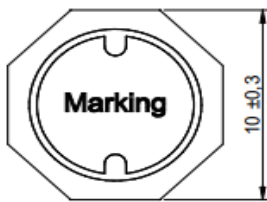
SPI03-0843-102N





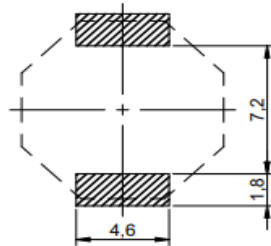
尺寸

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 30°C (A)	直流电阻 DC Resistance DCR typ (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packaging Qty pcs
SPI03-1027-1R0N	1.00 ±30%	8.00	4.90	9.50	1,000
SPI03-1027-1R5N	1.50 ±30%	7.20	7.30	7.50	1,000
SPI03-1027-2R2N	2.20 ±30%	6.20	11.00	5.90	1,000
SPI03-1027-3R3N	3.30 ±30%	5.30	15.00	4.70	1,000
SPI03-1027-4R7N	4.70 ±30%	4.60	16.50	4.20	1,000
SPI03-1027-6R8N	6.80 ±30%	4.20	25.00	3.60	1,000
SPI03-1027-8R2N	8.20 ±30%	3.80	28.50	2.80	1,000
SPI03-1027-100N	10.00 ±30%	3.00	40.00	2.50	1,000
SPI03-1027-150N	15.00 ±30%	2.20	69.00	2.25	1,000
SPI03-1027-220N	22.00 ±30%	1.80	104.00	1.90	1,000

测试状态

Test Condition

☆ 电感测试条件为 100 kHz/ 10 mA (25°C)

Inductance measure condition at 100 kHz/ 10 mA (25°C)

☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

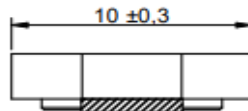
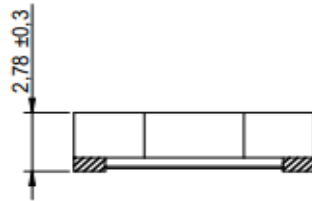
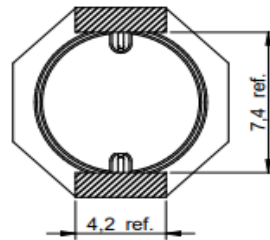
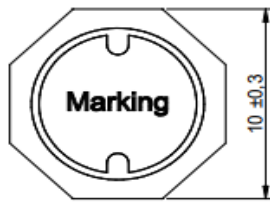
☆ 饱和电流: 电感值下降其初始值的35%时所加载的实际直流电流值

Saturation Current: The actual value of DC current when the inductance drop 35% of initial value



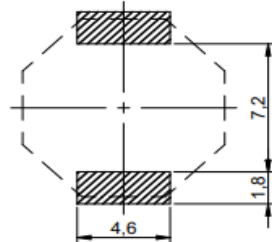
尺寸

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 30°C (A)	直流电阻 DC Resistance DCR typ (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packaging Qty pcs
SPI03-1027-330N	33.00 ±30%	1.60	139	1.30	1,000
SPI03-1027-470N	47.00 ±30%	1.40	167	1.15	1,000
SPI03-1027-560N	56.00 ±30%	1.25	208	1.10	1,000
SPI03-1027-680N	68.00 ±30%	1.20	232	1.05	1,000
SPI03-1027-820N	82.00 ±30%	1.10	323	1.00	1,000
SPI03-1027-101N	100.00 ±30%	1.00	365	0.90	1,000
SPI03-1027-121N	120.00 ±30%	0.90	428	0.85	1,000
SPI03-1027-151N	150.00 ±30%	0.85	530	0.75	1,000
SPI03-1027-221N	220.00 ±30%	0.50	750	0.55	1,000

测试状态

Test Condition

☆ 电感测试条件为 100 kHz/ 1.0V (25°C)

Inductance measure condition at 100 kHz/ 1.0V (25°C)

☆ 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35%时所加载的实际直流电流值

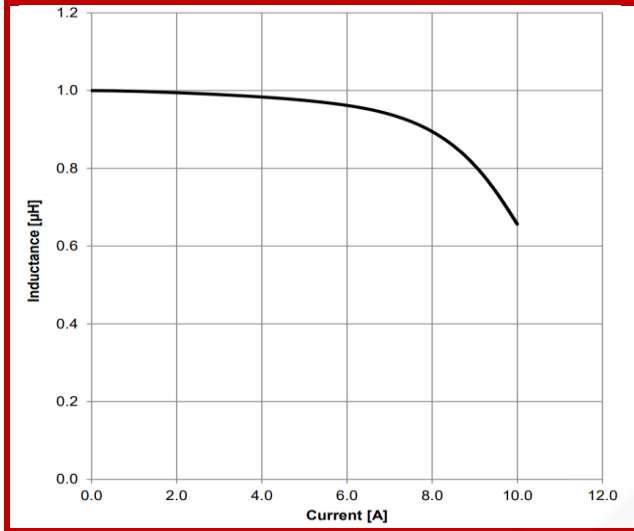
Saturation Current: The actual value of DC current when the inductance drop 35% of initial value



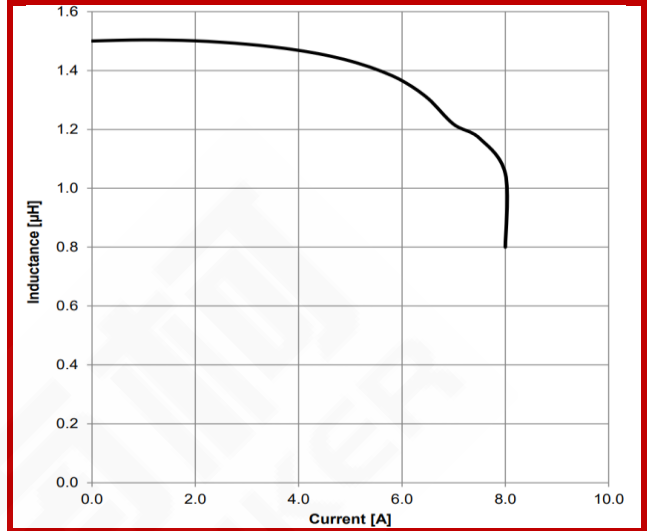
典型电感与电流特性

Typical Inductance vs. Current Characteristics

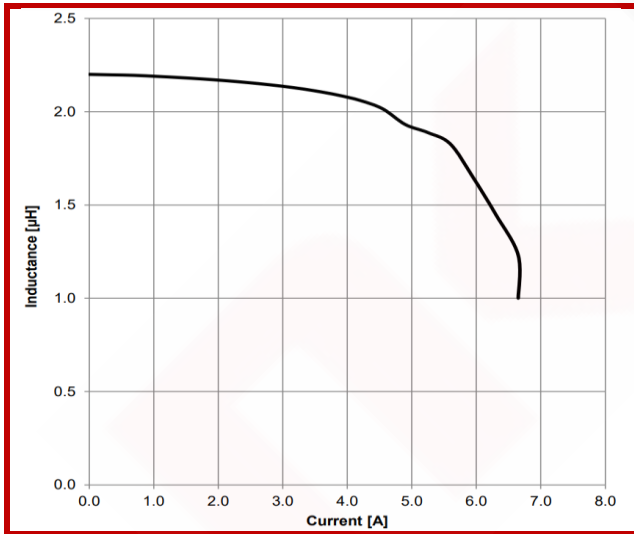
SPI03-1027-1R0N



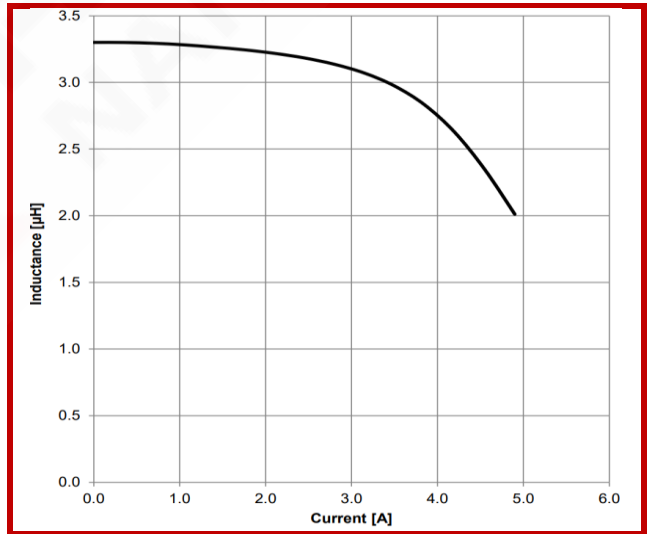
SPI03-1027-1R5N



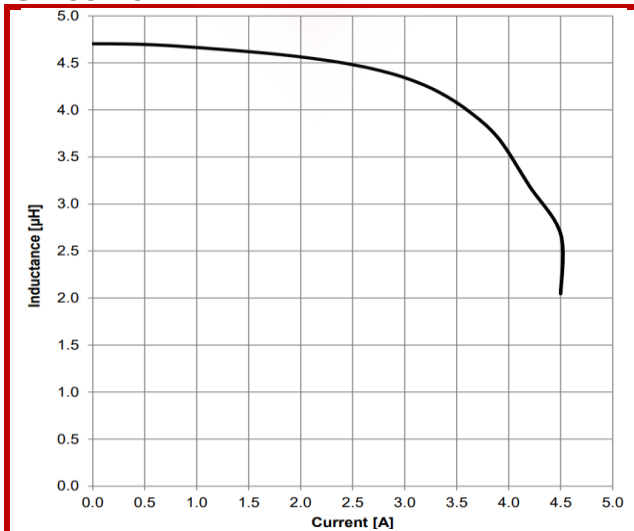
SPI03-1027-2R2N



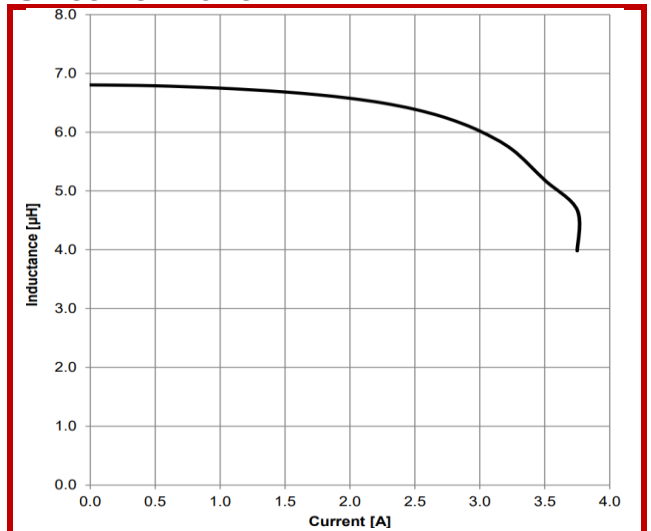
SPI03-1027-3R3N



SPI03-1027-4R7N



SPI03-1027-6R8N

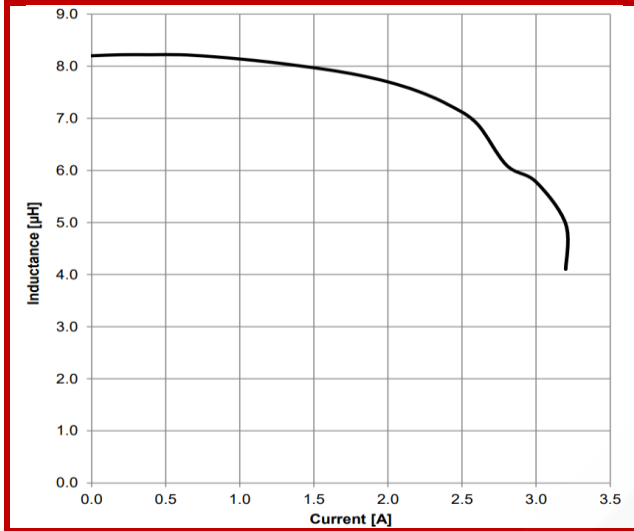




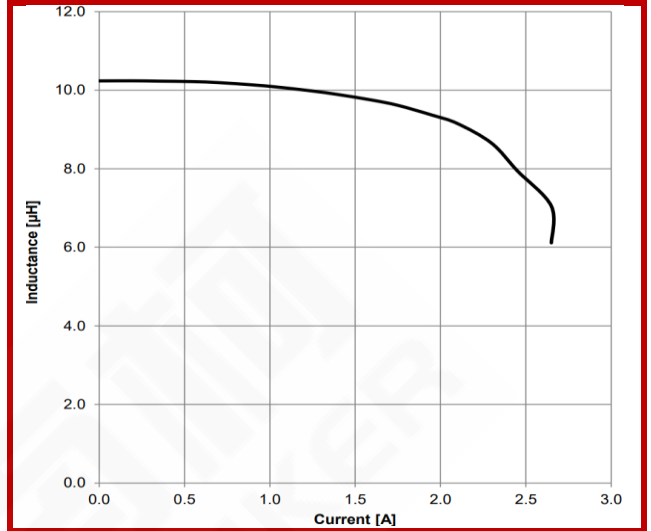
典型电感与电流特性

Typical Inductance vs. Current Characteristics

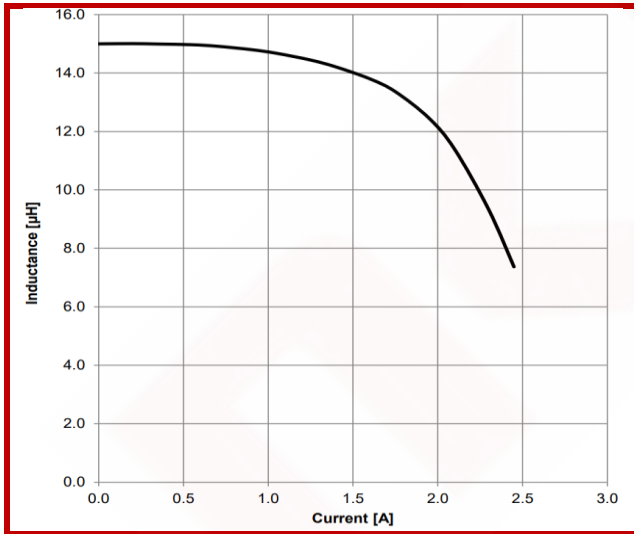
SPI03-1027-8R2N



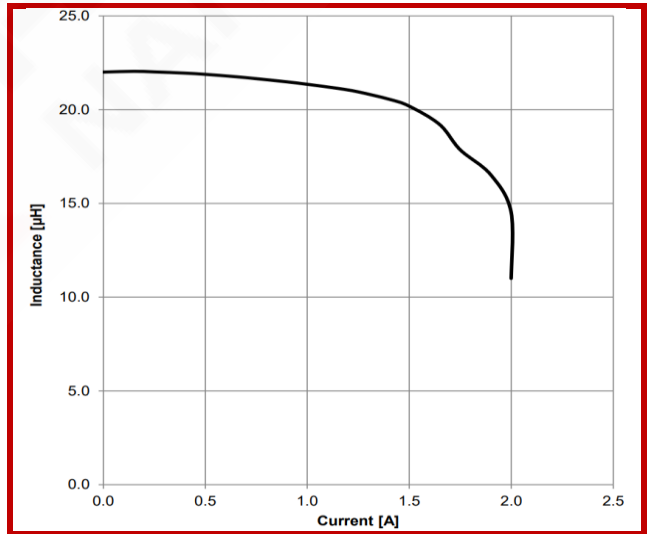
SPI03-1027-100N



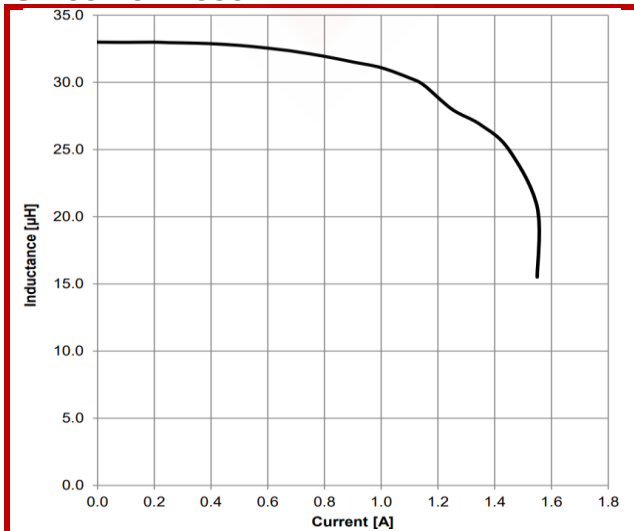
SPI03-1027-150N



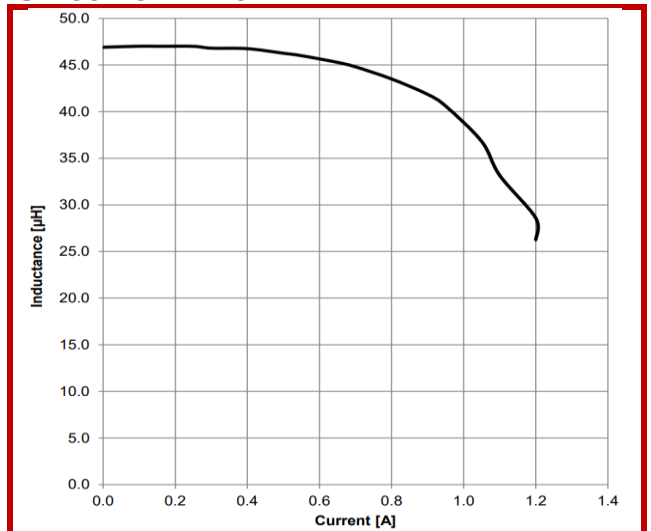
SPI03-1027-220N



SPI03-1027-330N



SPI03-1027-470N

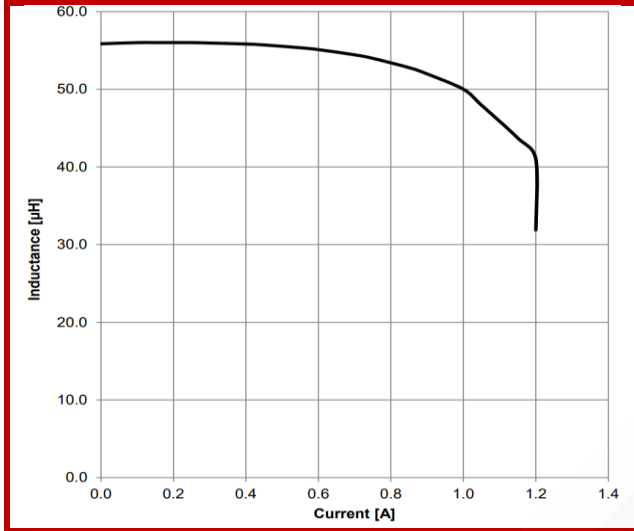




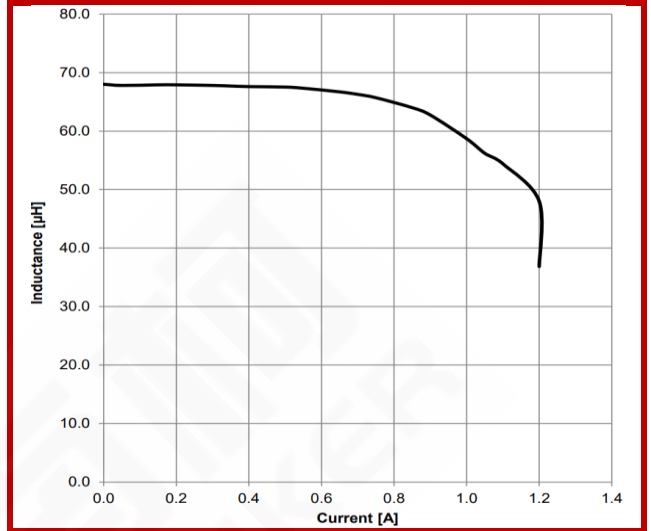
典型电感与电流特性

Typical Inductance vs. Current Characteristics

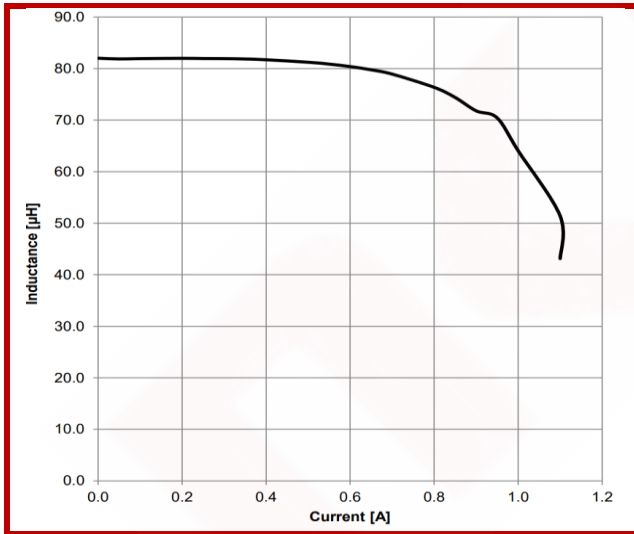
SPI03-1027-560N



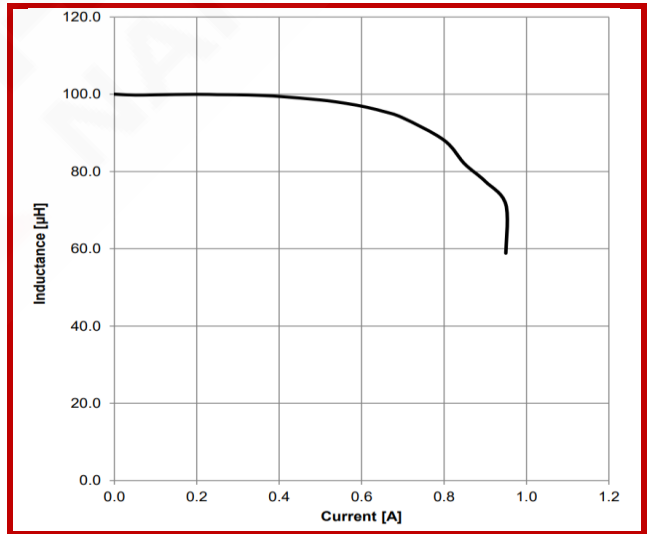
SPI03-1027-680N



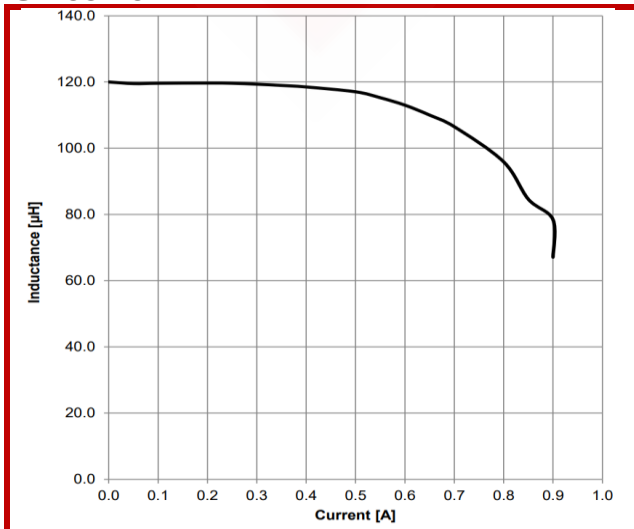
SPI03-1027-820N



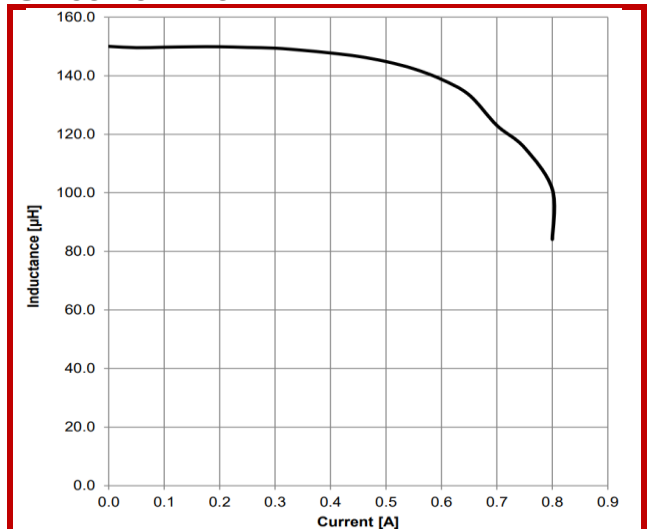
SPI03-1027-101N

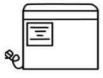


SPI03-1027-121N



SPI03-1027-151N

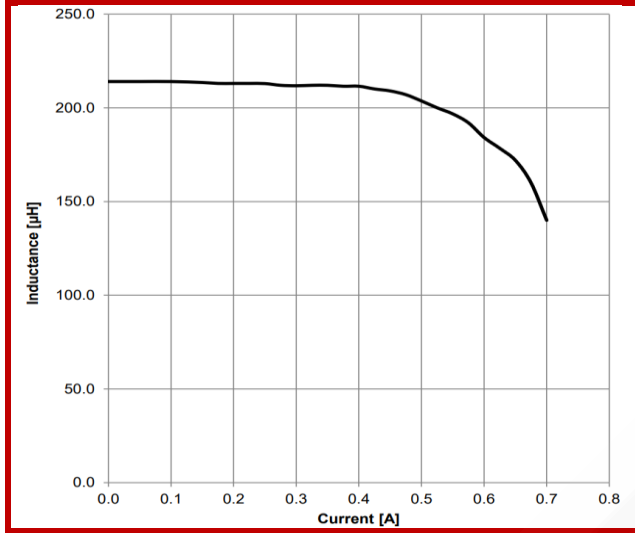




典型电感与电流特性

Typical Inductance vs. Current Characteristics

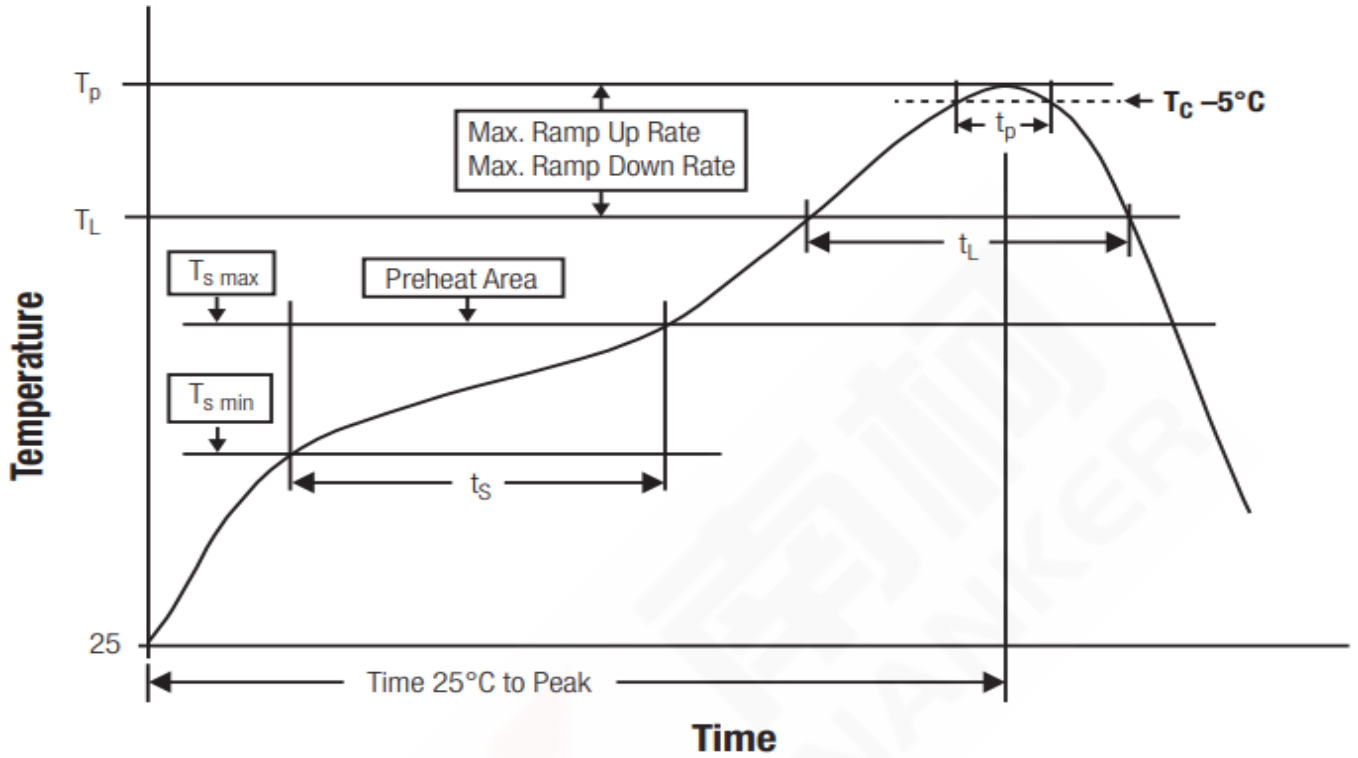
SPI03-1027-221N





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.