

插件工字电感

Unshielded Power Inductor (DR Type THT)



特性

Characteristics

低漏磁场

Low magnetic stray field

铁粉材料导致的低铁心损耗

Low core loss due to iron powder materials

适用于额定电流1.1 A至14.5 A

Available for rated current 1.1 A to 14.5 A

应用

Application

用于开关电源和电压转换电路

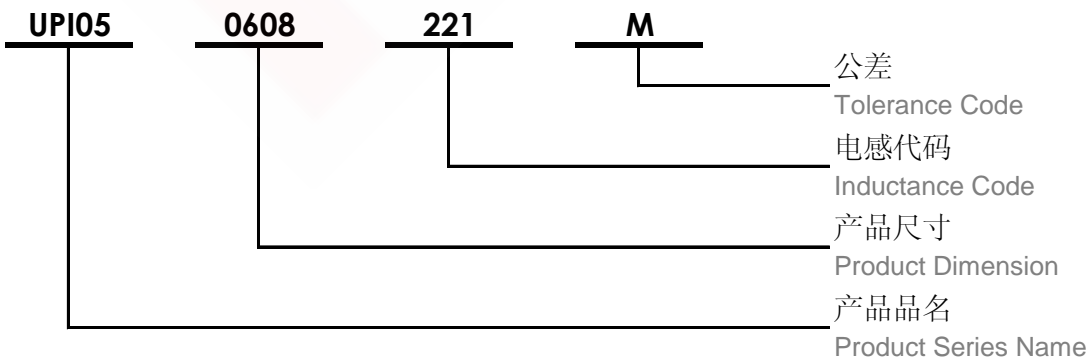
Used for example in switching power supplies and voltage transformers

应用于高达100 kHz开关频率的电源

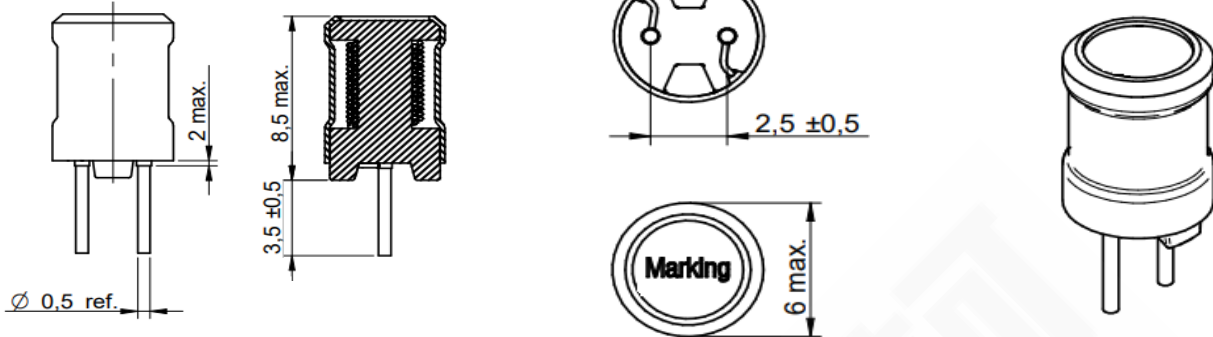
Switching regulators up to 100 kHz

产品品名介绍

Product Number Structure



尺寸 Dimension (mm)



焊盘推荐 Land Pattern Recommended (mm)

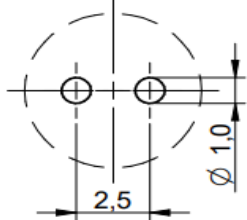


示意图 Schematics



产品尺寸 Product Dimension

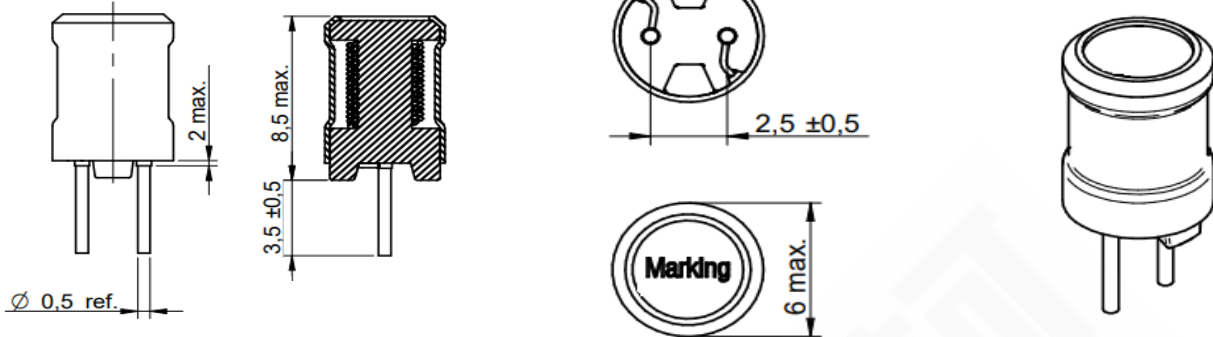
型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r max 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	袋子数量 Plastic Bag Qty pcs
UPI05-0608-1R0M	1.00 ±20%	8.50	0.015	8.00	500
UPI05-0608-2R2M	2.20 ±20%	6.30	0.020	4.30	500
UPI05-0608-3R3M	3.30 ±20%	4.70	0.025	4.00	500
UPI05-0608-4R7M	4.70 ±20%	4.20	0.030	3.70	500
UPI05-0608-6R8M	6.80 ±20%	3.30	0.034	3.00	500
UPI05-0608-100M	10.00 ±20%	2.50	0.080	2.60	500
UPI05-0608-220M	22.00 ±20%	1.80	0.130	1.70	500
UPI05-0608-330M	33.00 ±20%	1.40	0.220	1.40	500
UPI05-0608-470M	47.00 ±20%	1.18	0.340	1.20	500

测试状态

Test Condition

- ☆ 电感测试条件为 100 kHz/ 5.0 mA
Inductance measure condition at 100 kHz/ 5.0 mA
- ☆ 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10%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 10% of initial value

尺寸 Dimension (mm)



焊盘推荐 Land Pattern Recommended (mm)

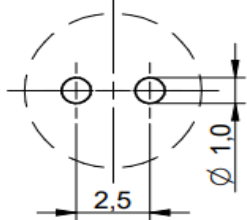


示意图 Schematics



产品尺寸 Product Dimension

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r max 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	袋子数量 Plastic Bag Qty pcs
UPI05-0608-680M	68 ±20%	0.80	0.40	1.00	500
UPI05-0608-820M	82 ±20%	0.80	0.47	0.90	500
UPI05-0608-101M	100 ±20%	0.80	0.65	0.80	500
UPI05-0608-221M	220 ±20%	0.50	1.20	0.50	500
UPI05-0608-471M	470 ±20%	0.35	2.40	0.40	500
UPI05-0608-681M	680 ±20%	0.25	3.70	0.30	500
UPI05-0608-102M	1,000 ±20%	0.25	6.00	0.27	500
UPI05-0608-152M	1,500 ±20%	0.19	8.00	0.20	500
UPI05-0608-222M	2,200 ±20%	0.16	15.00	0.18	500

测试状态

Test Condition

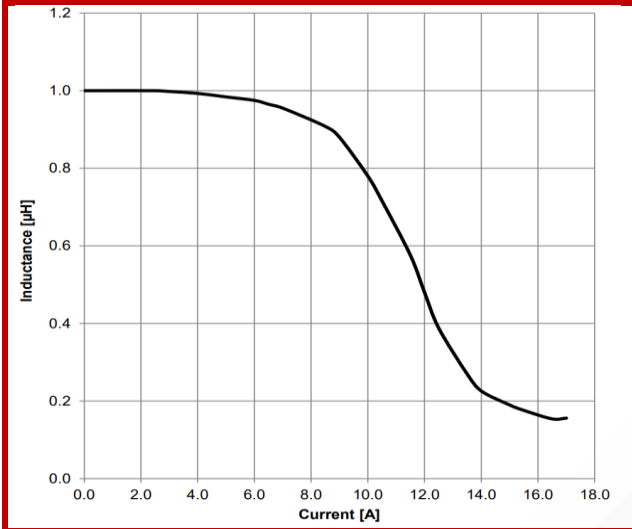
- ☆ 电感测试条件为 100 kHz/ 5.0 mA
Inductance measure condition at 100 kHz/ 5.0 mA
- ☆ 工作温度: -40°C ~ +125°C
Operating Temperature: -40°C ~ +125°C
- ☆ 饱和电流: 电感值下降其初始值的10%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 10% of initial value



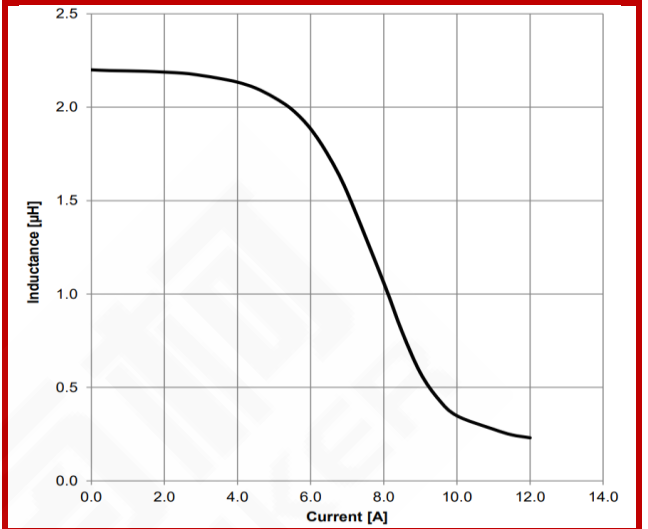
典型电感与电流特性

Typical Inductance vs. Current Characteristics

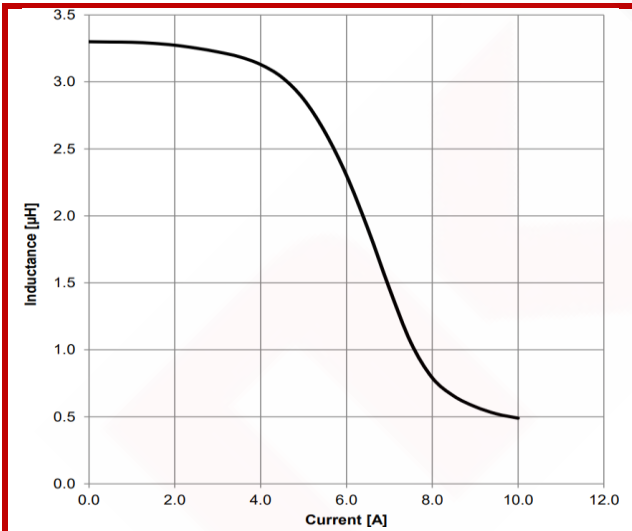
UPI05-0608-1R0M



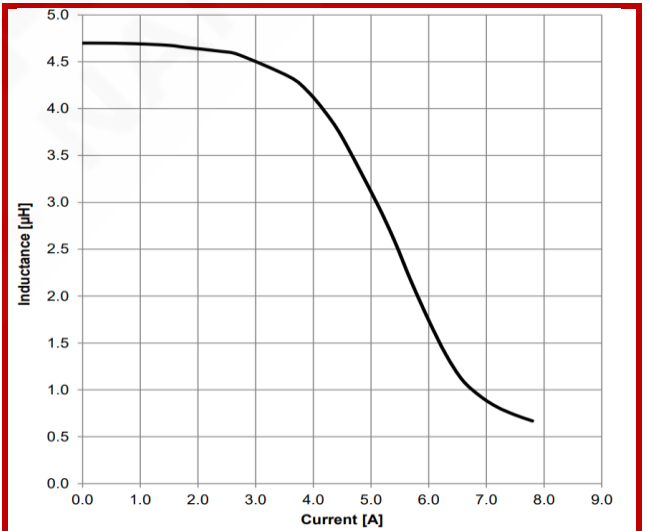
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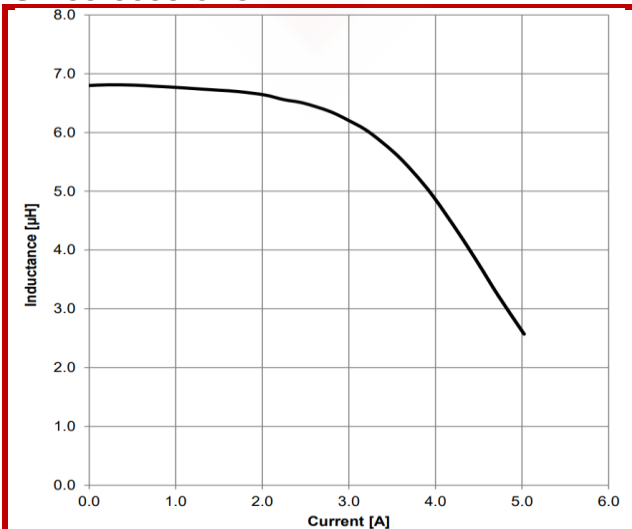
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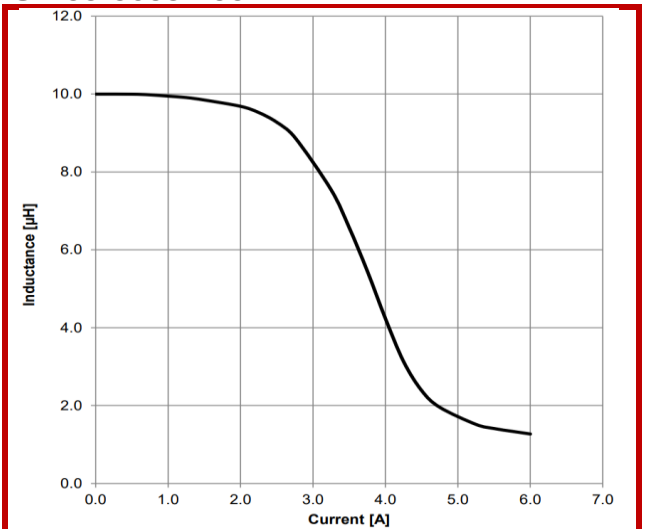
UPI05-0608-4R7M



UPI05-0608-6R8M



UPI05-0608-100M

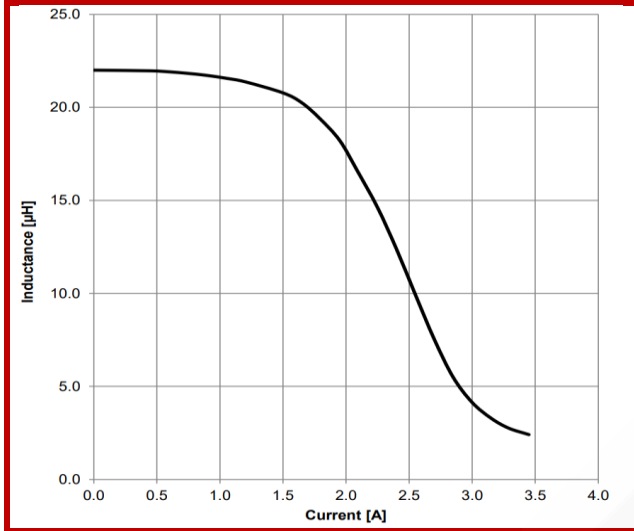




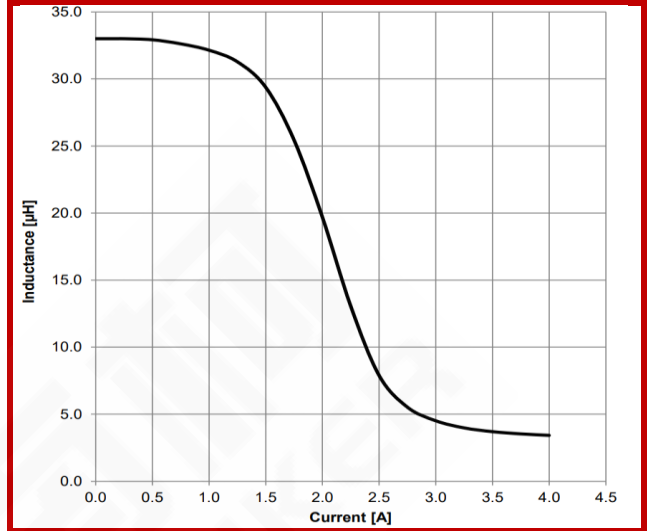
典型电感与电流特性

Typical Inductance vs. Current Characteristics

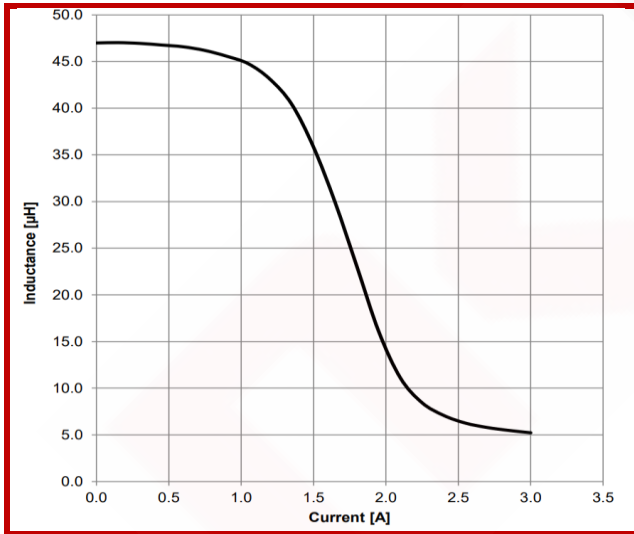
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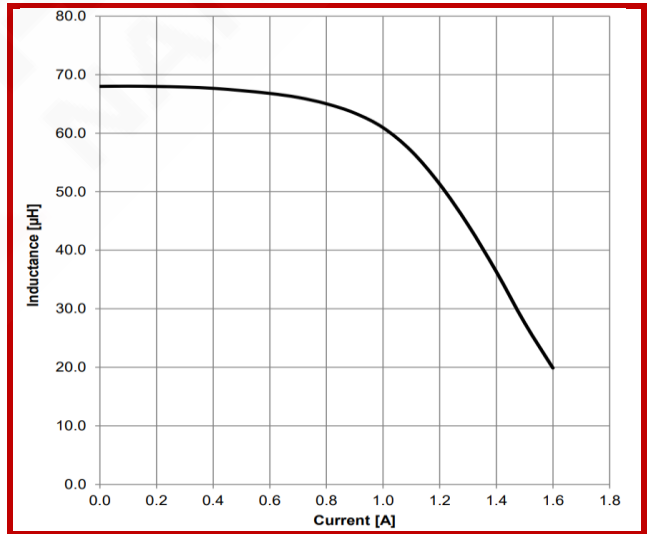
UPI05-0608-330M



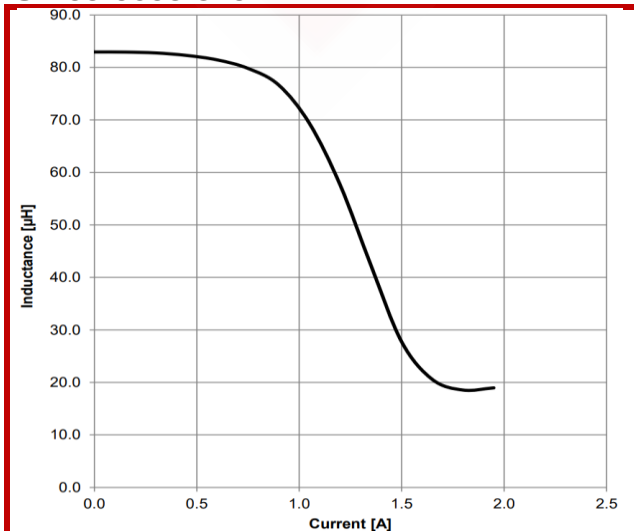
UPI05-0608-470M



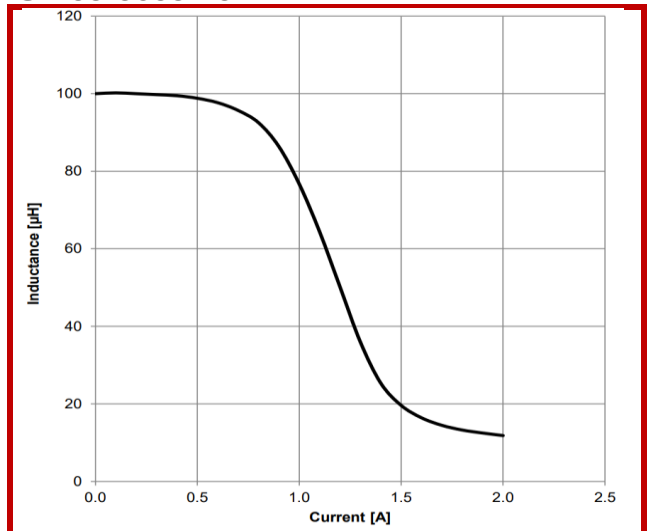
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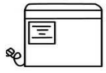


UPI05-0608-820M



UPI05-0608-101M

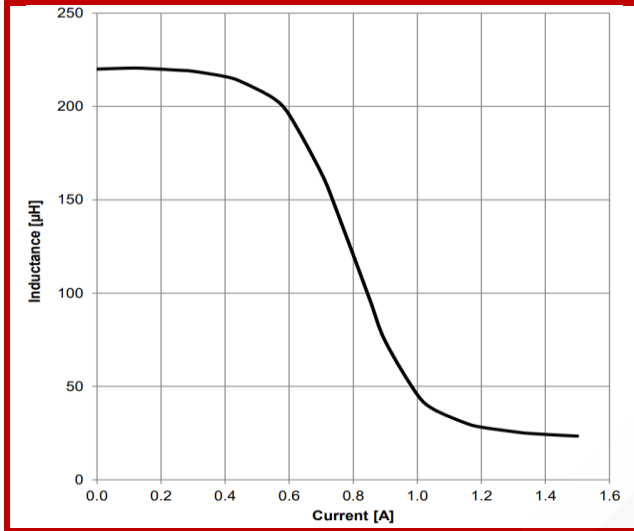




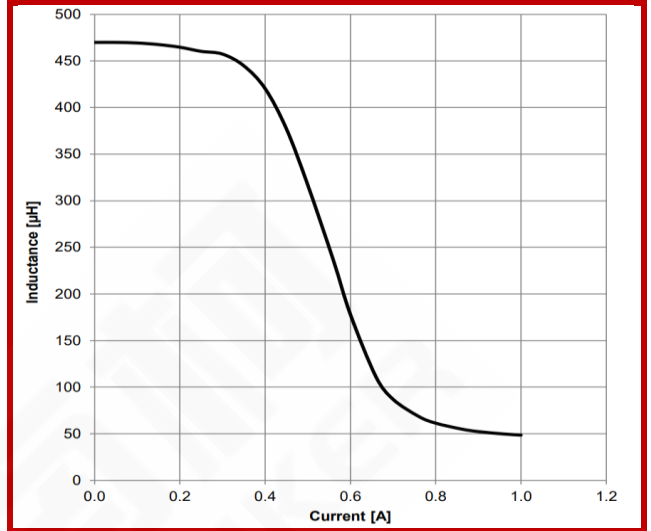
典型电感与电流特性

Typical Inductance vs. Current Characteristics

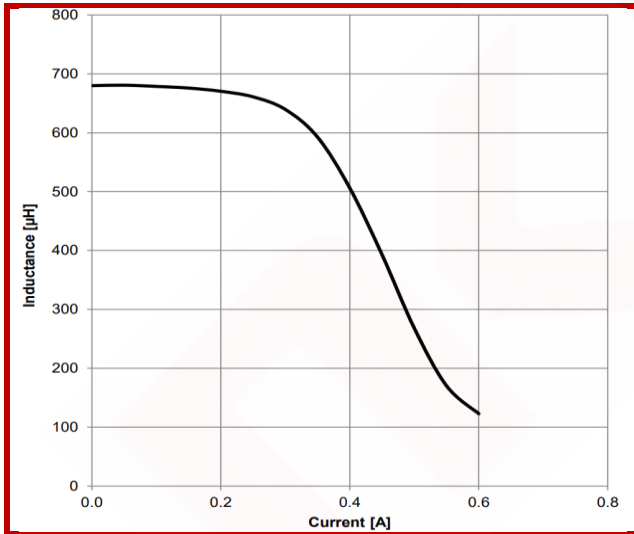
UPI05-0608-221M



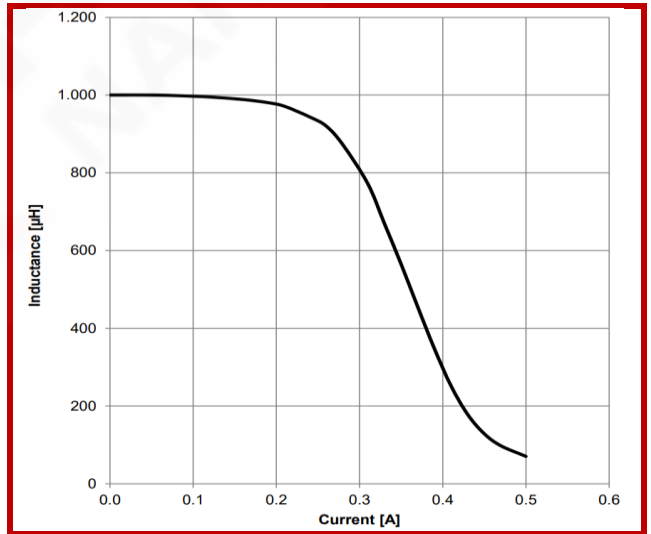
UPI05-0608-471M



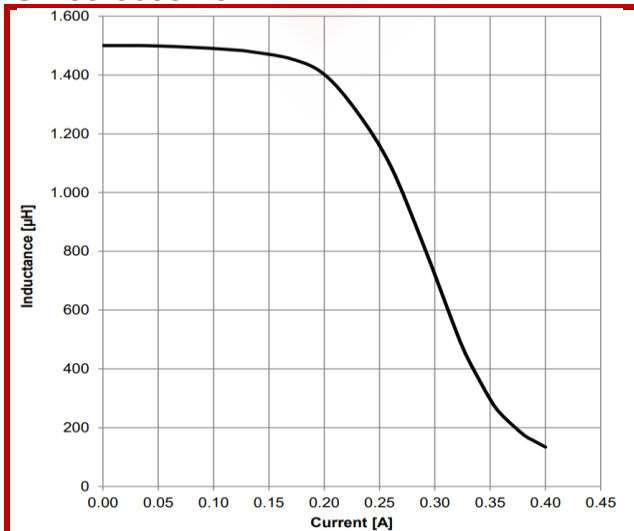
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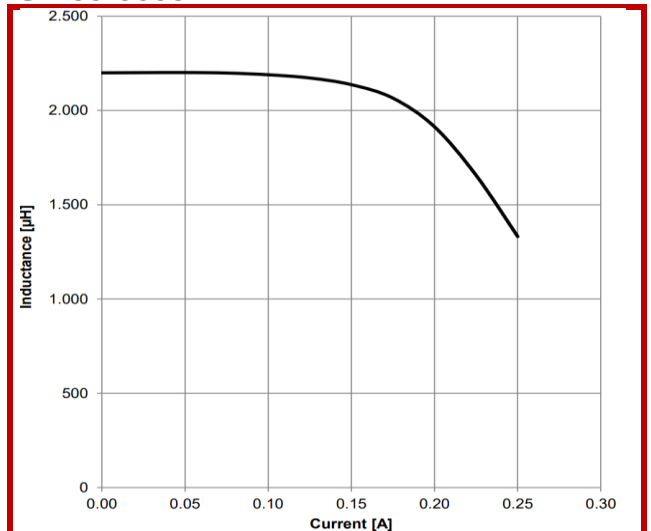
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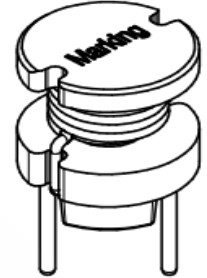
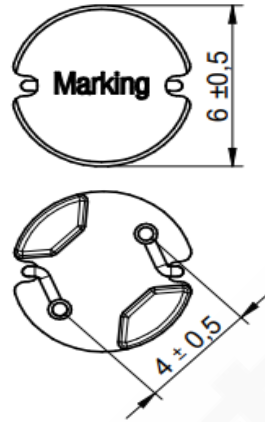
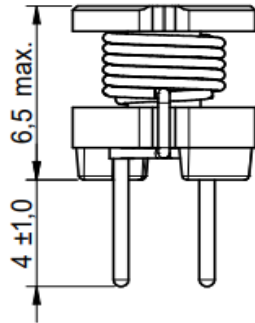
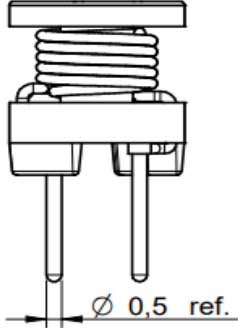
UPI05-0608-152M



UPI05-0608-222M



 尺寸
Dimension (mm)



 焊盘推荐
Land Pattern Recommended (mm)

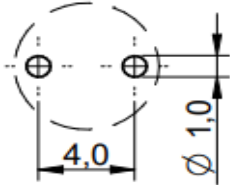


 示意图
Schematics



 产品尺寸
Product Dimension

型号 Part No.	电感 Inductance μH	温升电流 Rated Current $I_R \text{ max } 40^\circ\text{C (A)}$	直流电阻 DC Resistance DCRmax (Ω)	饱和电流 Saturation Current $I_{\text{sat typ (A)}}$	袋子数量 Plastic Bag Qty pcs
UPI05-0606-6R8M	6.80 ±20%	2.20	0.035	2.80	400
UPI05-0606-100M	10.00 ±20%	1.85	0.050	2.10	400
UPI05-0606-470M	47.00 ±20%	1.45	0.160	1.10	400
UPI05-0606-680M	68.00 ±20%	1.40	0.280	0.72	400
UPI05-0606-221M	220.00 ±20%	0.60	0.800	0.50	400

测试状态

Test Condition

☆ 电感测试条件为 100 kHz/ 5.0 mA

Inductance measure condition at 100 kHz/ 5.0 mA

☆ 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10%时所加载的实际直流电流值

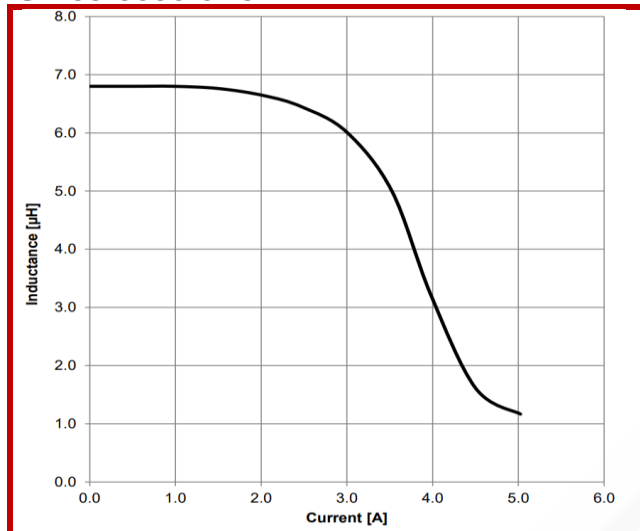
Saturation Current: The actual value of DC current when the inductance drop 10% of initial value



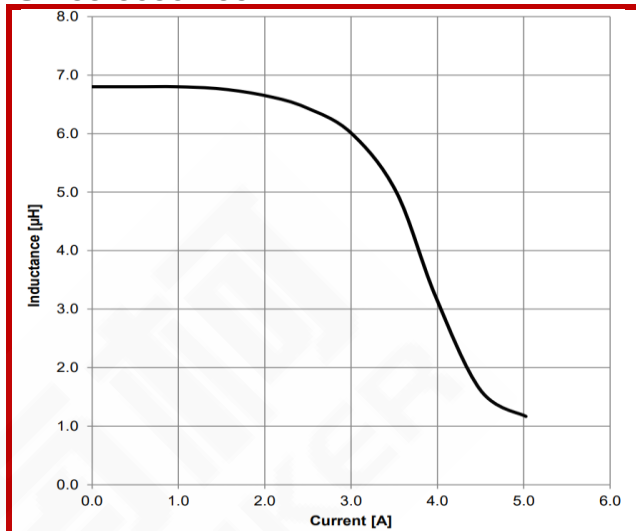
典型电感与电流特性

Typical Inductance vs. Current Characteristics

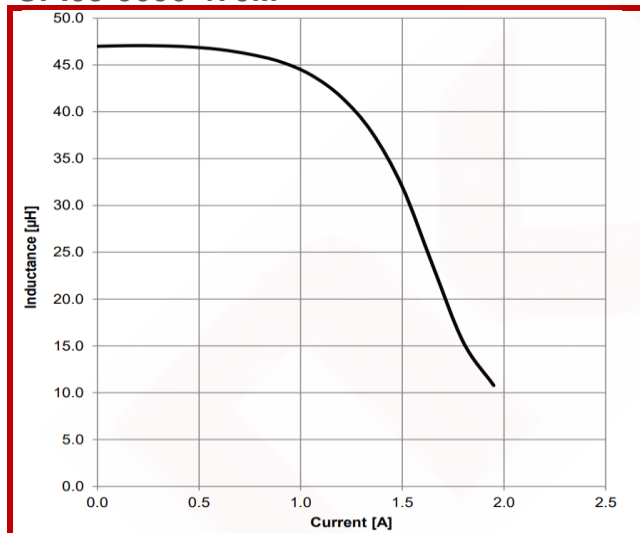
UPI05-0606-6R8M



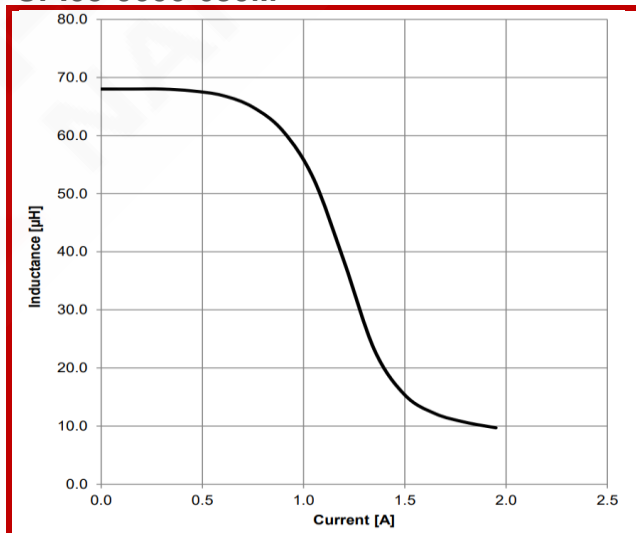
UPI05-0606-100M



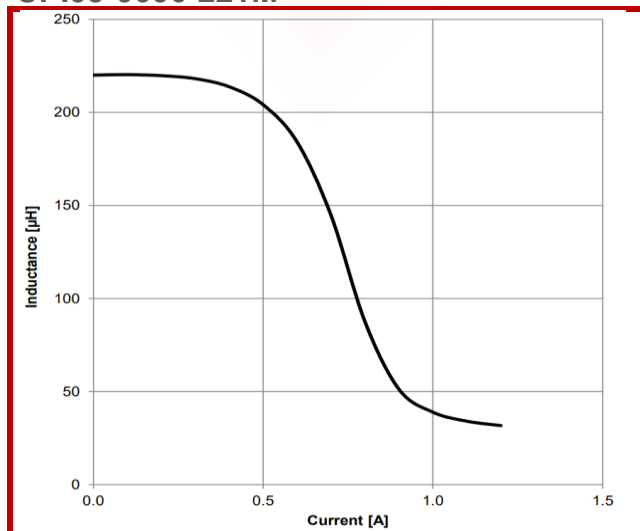
UPI05-0606-470M



UPI05-0606-680M



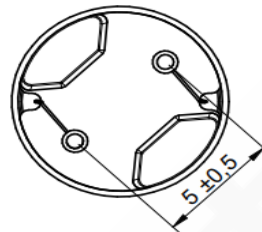
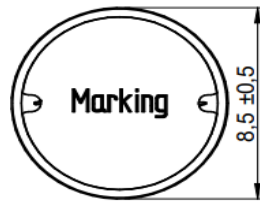
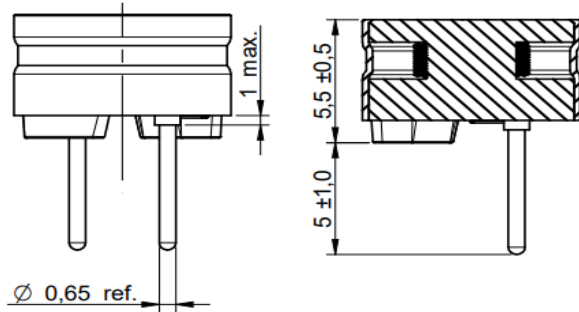
UPI05-0606-221M



UPI05 SERIES

Unshielded Power Inductor (DR Type THT)

尺寸 Dimension (mm)



焊盘推荐 Land Pattern Recommended (mm)

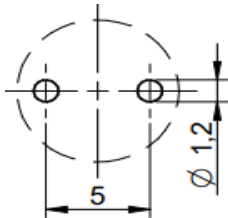


示意图 Schematics



产品尺寸 Product Dimension

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r max 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	袋子数量 Plastic Bag Qty pcs
UPI05-0806-101M	100 ±20%	1.10	1.00	0.90	300
UPI05-0806-221M	220 ±20%	0.66	1.50	0.75	300
UPI05-0806-331M	330 ±20%	0.50	2.00	0.60	300
UPI05-0806-471M	470 ±20%	0.44	3.00	0.40	300
UPI05-0806-681M	680 ±20%	0.33	4.00	0.35	300
UPI05-0806-102M	1,000 ±20%	0.29	6.00	0.30	300
UPI05-0806-222M	2,200 ±20%	0.21	11.00	0.20	300
UPI05-0806-472M	4,700 ±20%	0.15	25.00	0.15	300

测试状态

Test Condition

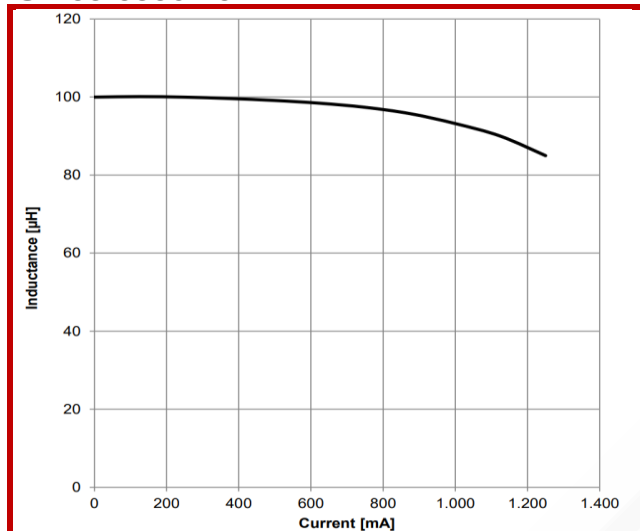
- ☆ 电感测试条件为 100 kHz/ 5.0 mA
Inductance measure condition at 100 kHz/ 5.0 mA
- ☆ 工作温度: -40°C ~ +125°C
Operating Temperature: -40°C ~ +125°C
- ☆ 饱和电流: 电感值下降其初始值的10%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 10% of initial value



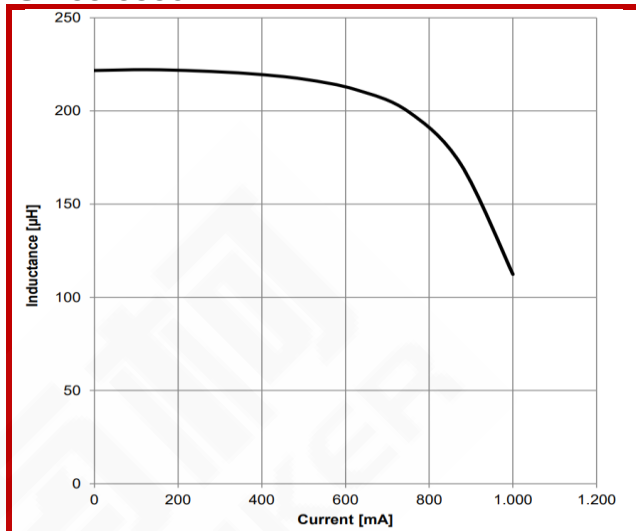
典型电感与电流特性

Typical Inductance vs. Current Characteristics

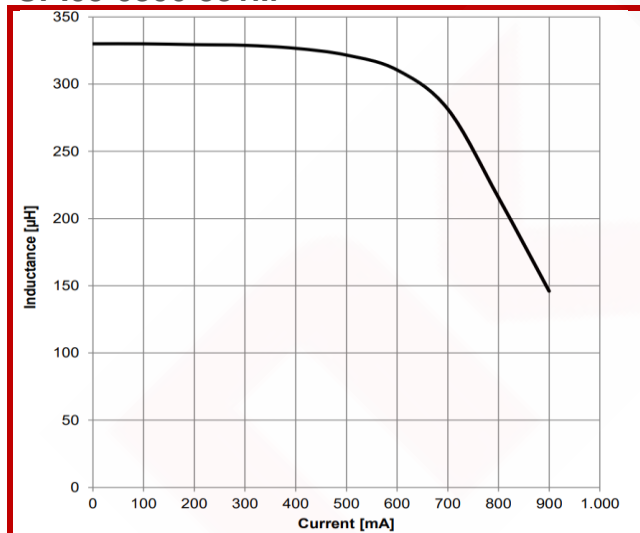
UPI05-0806-101M



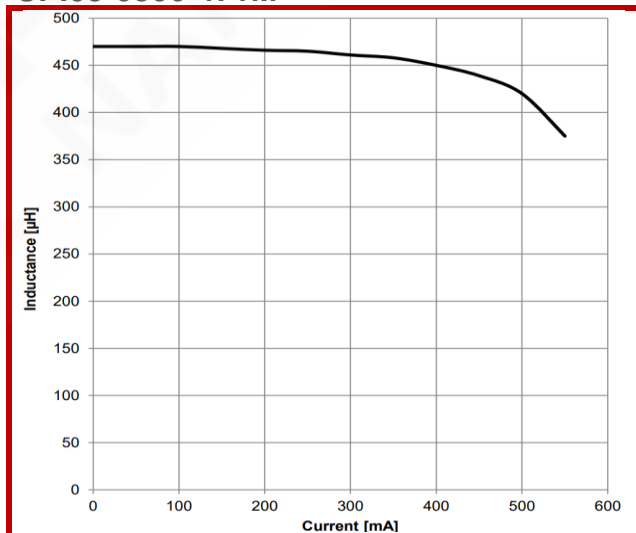
UPI05-0806-221M



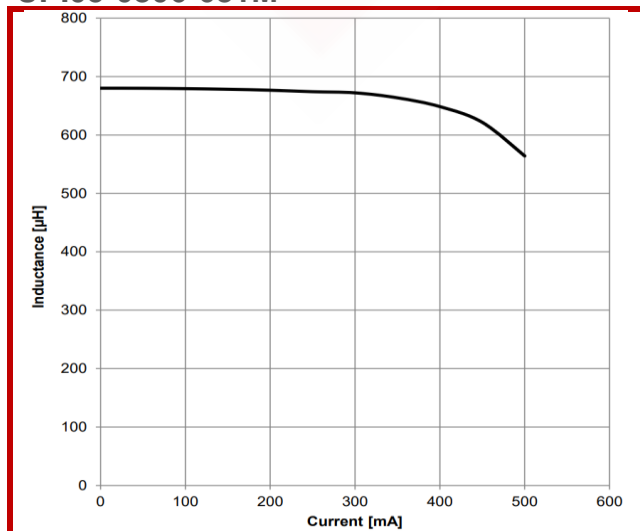
UPI05-0806-331M



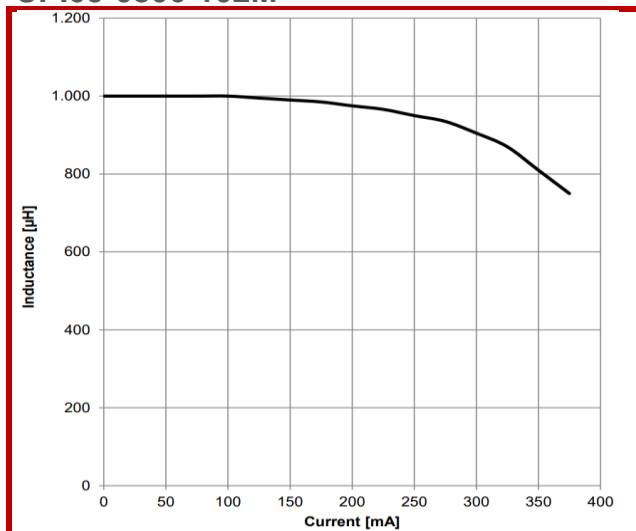
UPI05-0806-471M



UPI05-0806-681M



UPI05-0806-102M

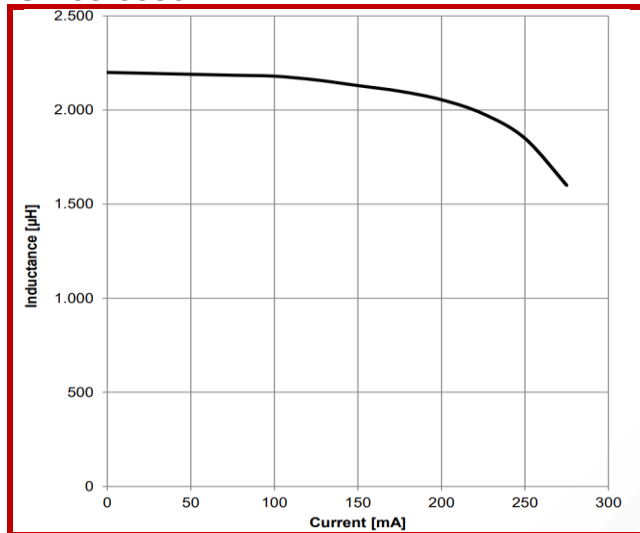




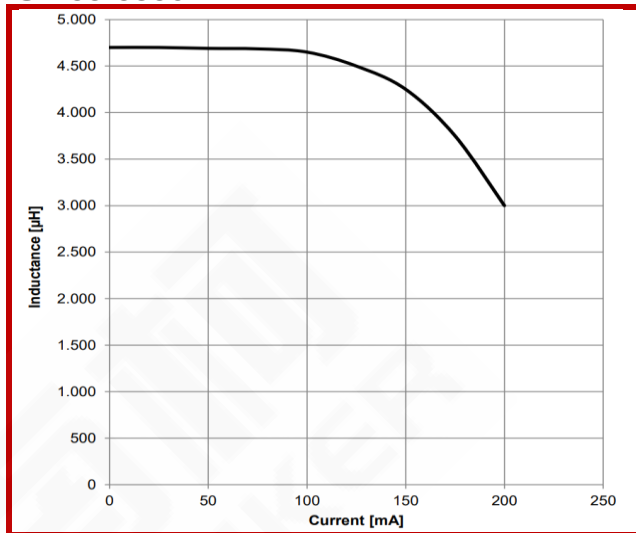
典型电感与电流特性

Typical Inductance vs. Current Characteristics

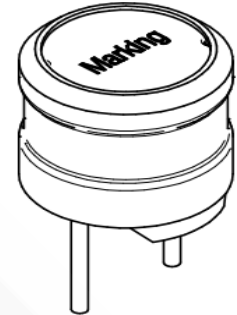
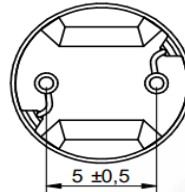
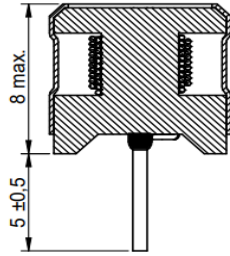
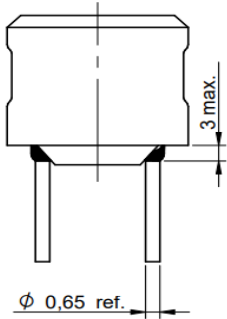
UPI05-0806-222M



UPI05-0806-472M



尺寸 Dimension (mm)



焊盘推荐 Land Pattern Recommended (mm)

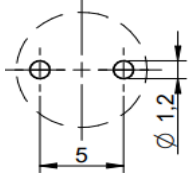


示意图 Schematics



产品尺寸 Product Dimension

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r max 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	袋子数量 Plastic Bag Qty pcs
UPI05-0908-1R5M	1.50 ±20%	7.00	0.01	9.00	300
UPI05-0908-100M	10 ±20%	4.00	0.03	4.00	300
UPI05-0908-470M	47 ±20%	1.80	0.14	1.90	300
UPI05-0908-121M	120 ±20%	1.00	0.38	1.10	300
UPI05-0908-221M	220 ±20%	0.75	0.70	1.20	300
UPI05-0908-331M	330 ±20%	0.60	1.20	1.00	300
UPI05-0908-471M	470 ±20%	0.45	1.70	0.90	300
UPI05-0908-681M	680 ±20%	0.42	2.20	0.75	300
UPI05-0908-102M	1,000 ±20%	0.33	3.40	0.60	300
UPI05-0908-152M	1,500 ±20%	0.29	4.70	0.50	300
UPI05-0908-392M	3,900 ±20%	0.18	12.00	0.20	300
UPI05-0908-472M	4,700 ±20%	0.20	15.00	0.18	300
UPI05-0908-153M	15,000 ±20%	0.10	60.00	0.15	300

测试状态

Test Condition

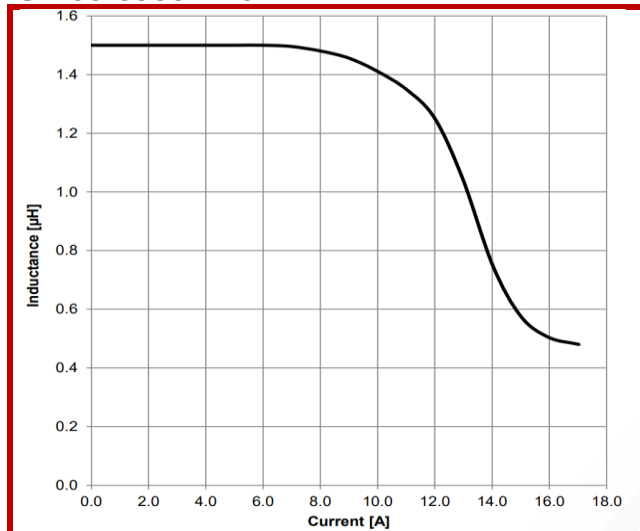
- ☆ 电感测试条件为 100 kHz/ 5.0 mA
Inductance measure condition at 100 kHz/ 5.0 mA
- ☆ 工作温度: -40°C ~ +125°C
Operating Temperature: -40°C ~ +125°C
- ☆ 饱和电流: 电感值下降其初始值的10%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 10% of initial value



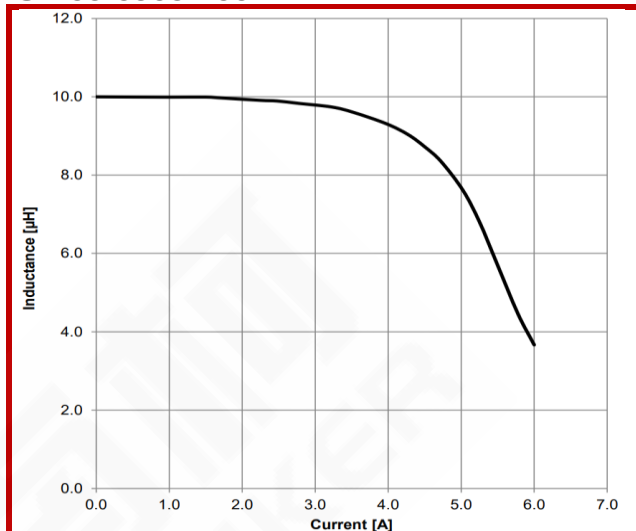
典型电感与电流特性

Typical Inductance vs. Current Characteristics

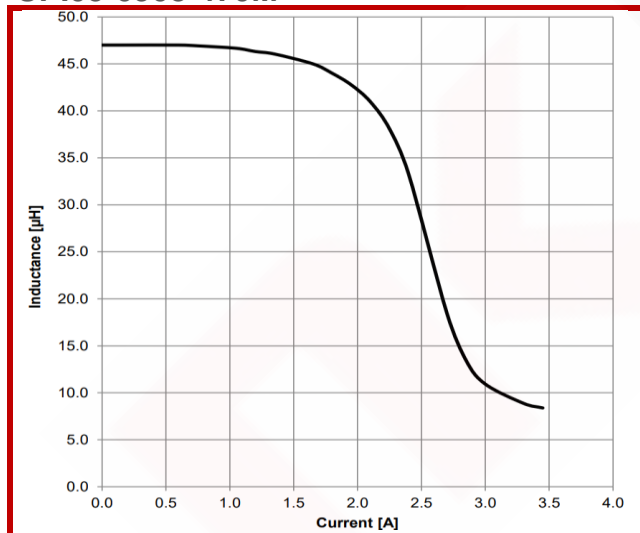
UPI05-0908-1R5M



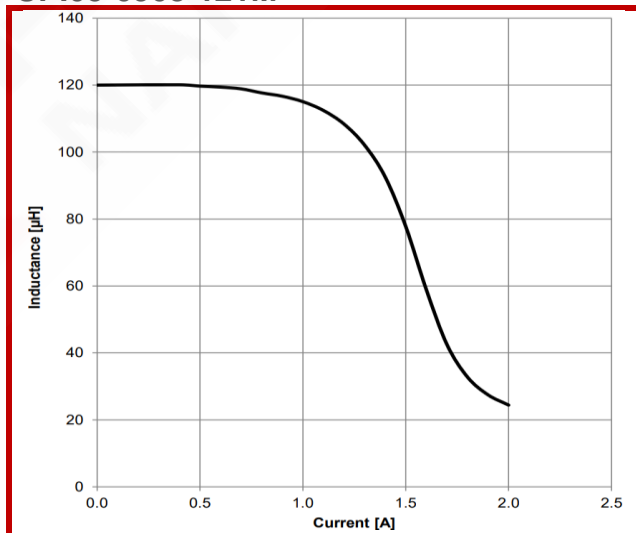
UPI05-0908-100M



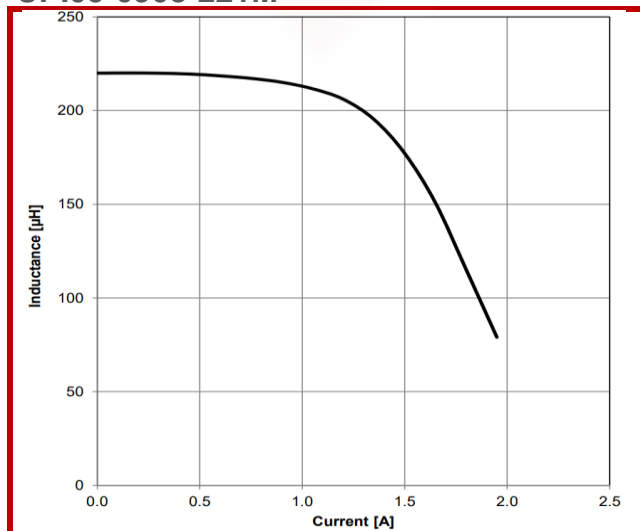
UPI05-0908-470M



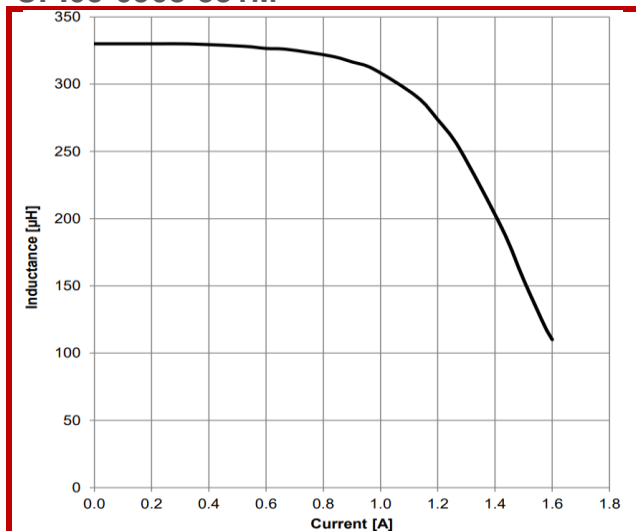
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UPI05-0908-221M



UPI05-0908-331M

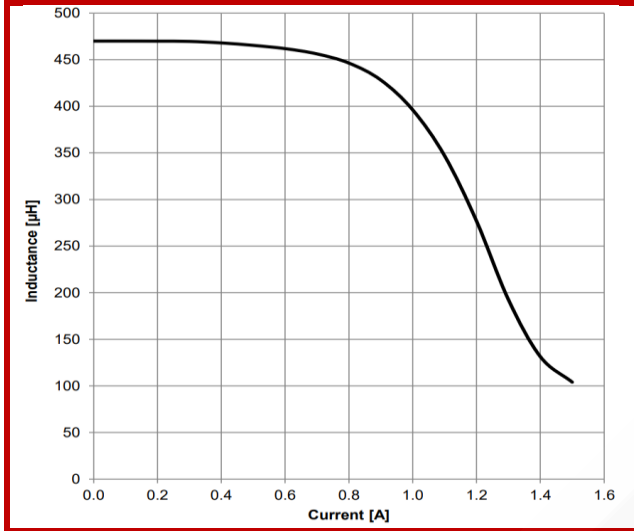




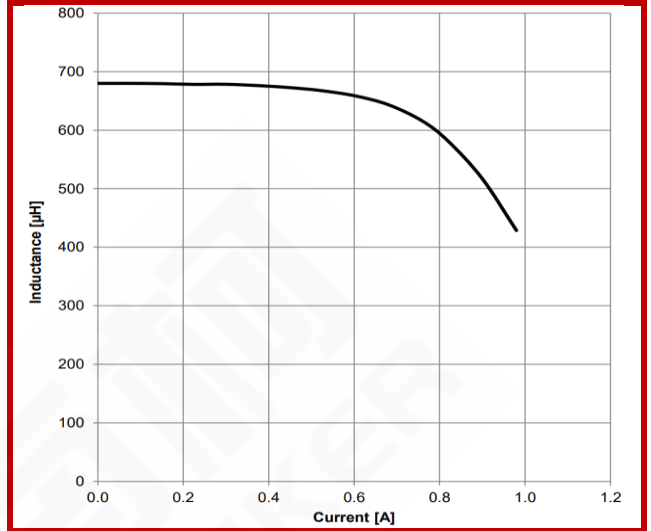
典型电感与电流特性

Typical Inductance vs. Current Characteristics

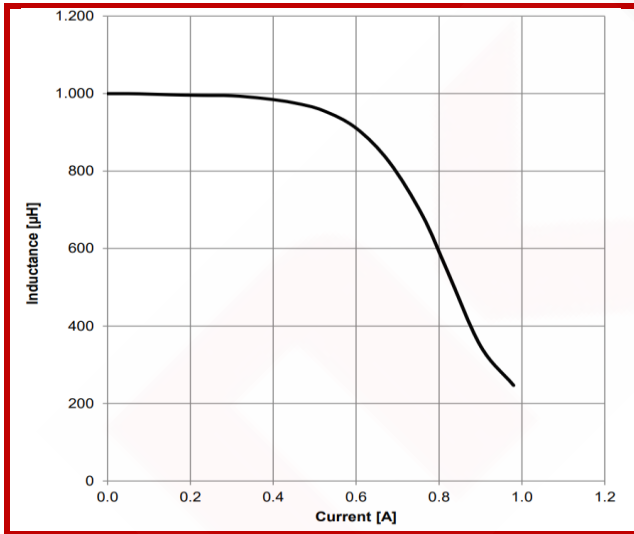
UPI05-0908-471M



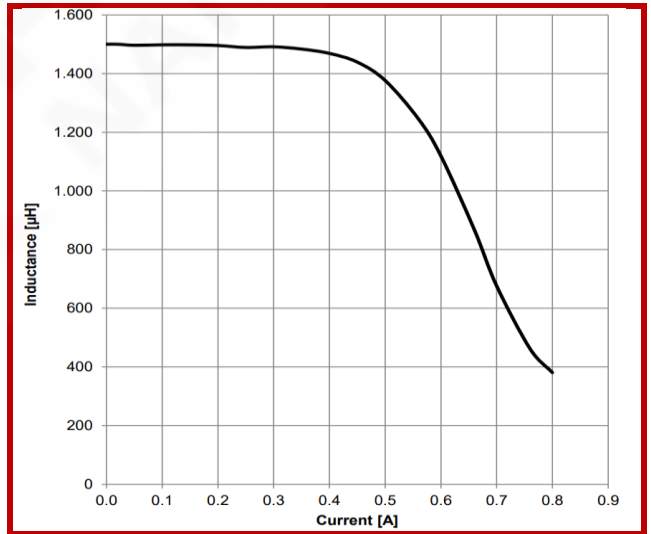
UPI05-0908-681M



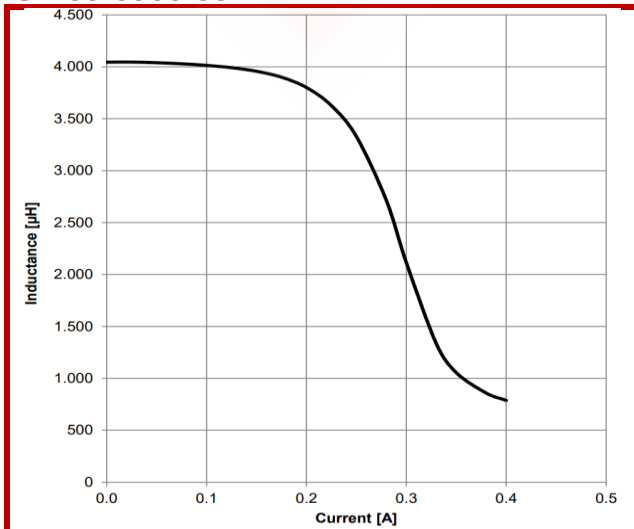
UPI05-0908-102M



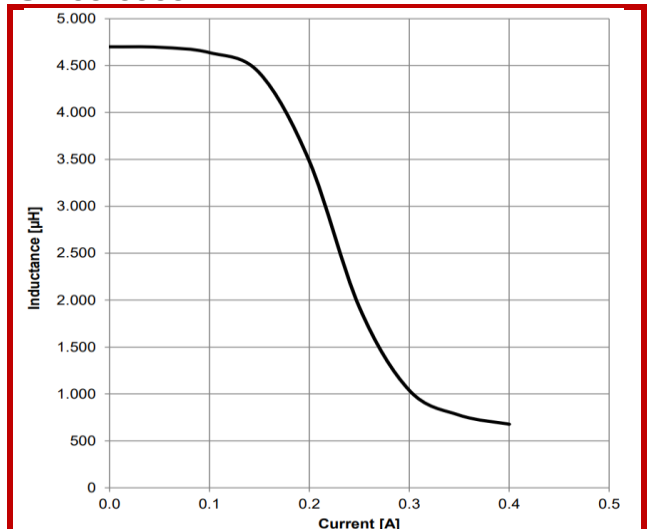
UPI05-0908-152M



UPI05-0908-392M



UPI05-0908-472M

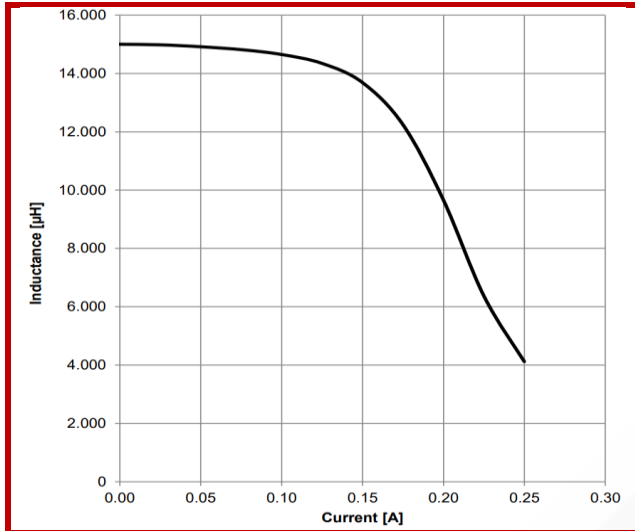




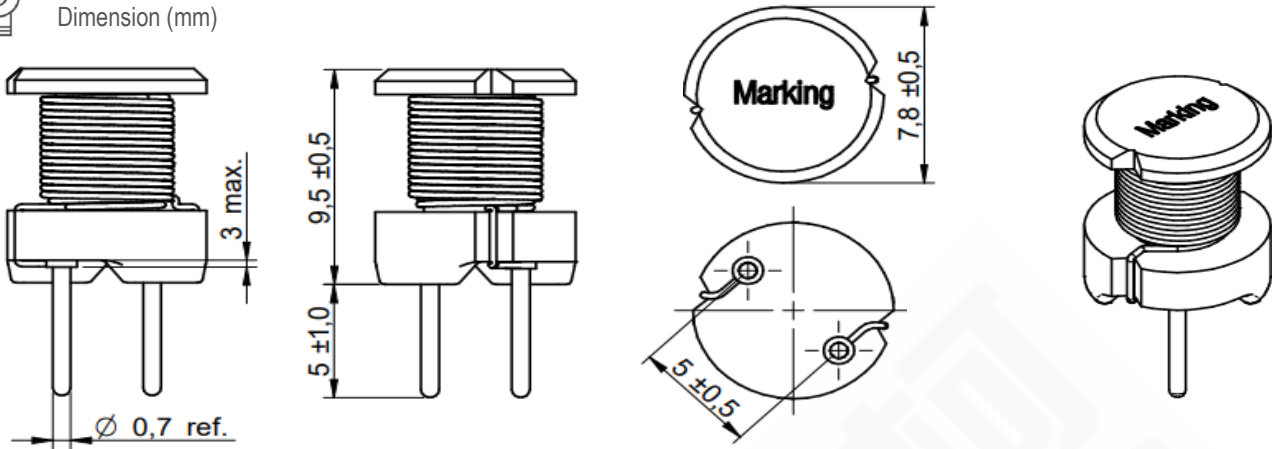
典型电感与电流特性

Typical Inductance vs. Current Characteristics

UPI05-0908-153M



尺寸
Dimension (mm)



焊盘推荐
Land Pattern Recommended (mm)

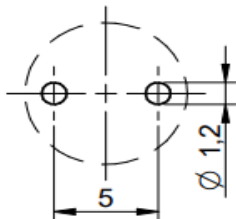


示意图
Schematics



产品尺寸
Product Dimension

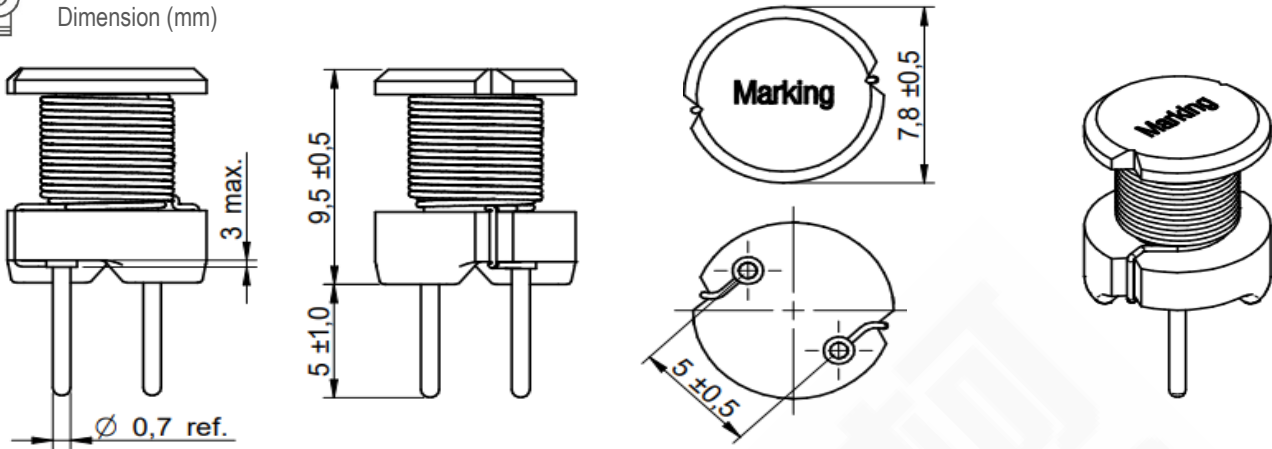
型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r max 40°C (A)	直流电阻 DCResistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	袋子数量 Plastic Bag Qty pcs
UPI05-0810-1R0M	1.00 ±20%	6.90	0.014	15.00	300
UPI05-0810-2R2M	2.20 ±20%	5.30	0.018	10.00	300
UPI05-0810-3R3M	3.30 ±20%	5.00	0.024	8.50	300
UPI05-0810-4R7M	4.70 ±20%	4.50	0.030	7.20	300
UPI05-0810-6R8M	6.80 ±20%	3.90	0.032	6.00	300
UPI05-0810-100M	10.00 ±20%	3.50	0.043	4.90	300
UPI05-0810-150M	15.00 ±20%	3.20	0.048	4.00	300
UPI05-0810-180M	18.00 ±20%	3.10	0.053	3.70	300
UPI05-0810-200M	20.00 ±20%	3.10	0.054	3.50	300
UPI05-0810-220M	22.00 ±20%	3.00	0.055	3.30	300

测试状态

Test Condition

- ☆ 电感测试条件为 100 kHz/ 5.0 mA
Inductance measure condition at 100 kHz/ 5.0 mA
- ☆ 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10%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 10% of initial value

 尺寸
Dimension (mm)



 焊盘推荐
Land Pattern Recommended (mm)

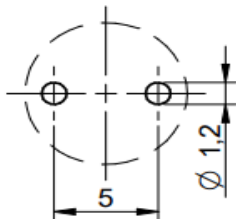


 示意图
Schematics



 产品尺寸
Product Dimension

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r max 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	袋子数量 Plastic Bag Qty pcs
UPI05-0810-330M	33.00 ±20%	2.50	0.066	2.70	300
UPI05-0810-390M	39.00 ±20%	2.50	0.100	2.50	300
UPI05-0810-470M	47.00 ±20%	2.00	0.120	2.30	300
UPI05-0810-560M	56.00 ±20%	1.90	0.130	2.10	300
UPI05-0810-680M	68.00 ±20%	1.80	0.160	1.90	300
UPI05-0810-820M	82.00 ±20%	1.60	0.190	1.70	300
UPI05-0810-101M	100.00 ±20%	1.30	0.220	1.60	300
UPI05-0810-121M	120.00 ±20%	1.30	0.280	1.40	300
UPI05-0810-151M	150.00 ±20%	1.10	0.350	1.10	300
UPI05-0810-181M	180.00 ±20%	1.00	0.430	1.00	300

测试状态

Test Condition

☆ 电感测试条件为 100 kHz/ 5.0 mA

Inductance measure condition at 100 kHz/ 5.0 mA

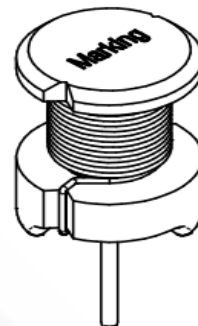
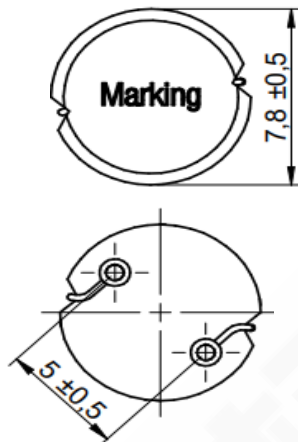
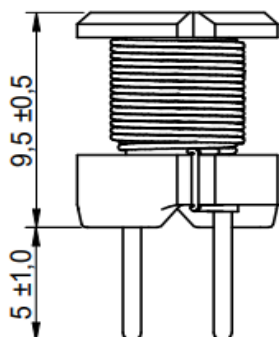
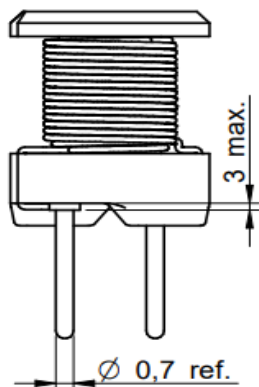
☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

☆ 饱和电流: 电感值下降其初始值的10%时所加载的实际直流电流值

Saturation Current: The actual value of DC current when the inductance drop 10% of initial value

尺寸 Dimension (mm)



焊盘推荐 Land Pattern Recommended (mm)

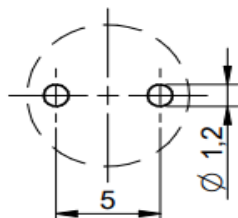


示意图 Schematics



产品尺寸 Product Dimension

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r max 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	袋子数量 Plastic Bag Qty pcs
UPI05-0810-221M	220 ±20%	1.00	0.45	1.00	300
UPI05-0810-331M	330 ±20%	0.82	0.70	0.88	300
UPI05-0810-471M	470 ±20%	0.66	0.97	0.73	300
UPI05-0810-561M	560 ±20%	0.61	1.22	0.70	300
UPI05-0810-681M	680 ±20%	0.52	1.37	0.61	300
UPI05-0810-821M	820 ±20%	0.51	1.70	0.55	300
UPI05-0810-901M	900 ±20%	0.50	2.02	0.52	300
UPI05-0810-102M	1,000 ±20%	0.44	2.15	0.51	300
UPI05-0810-122M	1,200 ±20%	0.42	2.39	0.42	300
UPI05-0810-152M	1,500 ±20%	0.37	3.00	0.42	300

测试状态

Test Condition

☆ 电感测试条件为 100 kHz/ 5.0 mA

Inductance measure condition at 100 kHz/ 5.0 mA

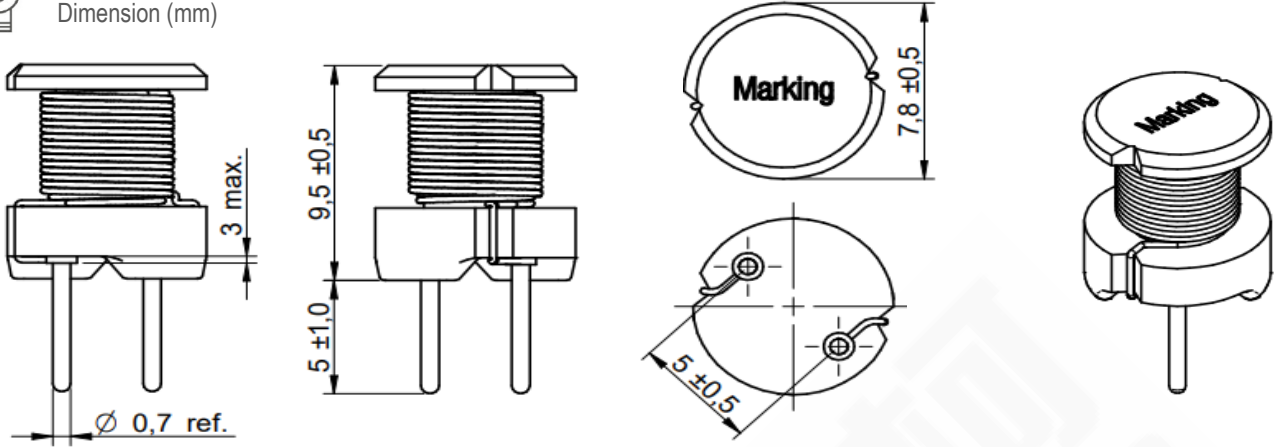
☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

☆ 饱和电流: 电感值下降其初始值的10%时所加载的实际直流电流值

Saturation Current: The actual value of DC current when the inductance drop 10% of initial value

 尺寸
Dimension (mm)



 焊盘推荐
Land Pattern Recommended (mm)

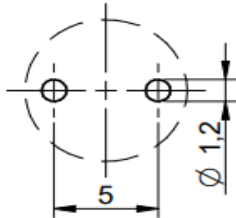


 示意图
Schematics



 产品尺寸
Product Dimension

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r max 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	袋子数量 Plastic Bag Qty pcs
UPI05-0810-182M	1,800 ±20%	0.32	4.51	0.39	300
UPI05-0810-222M	2,200 ±20%	0.29	4.73	0.35	300
UPI05-0810-332M	3,300 ±20%	0.24	6.70	0.29	300
UPI05-0810-392M	3,900 ±20%	0.22	8.05	0.27	300
UPI05-0810-472M	4,700 ±20%	0.21	9.50	0.24	300
UPI05-0810-702M	7,000 ±20%	0.17	16.00	0.18	300
UPI05-0810-103M	10,000 ±20%	0.13	25.00	0.16	300
UPI05-0810-223M	22,000 ±20%	0.09	55.00	0.11	300
UPI05-0810-363M	36,000 ±20%	0.07	94.00	0.08	300
UPI05-0810-473M	47,000 ±20%	0.06	112.00	0.07	300

测试状态

Test Condition

☆ 电感测试条件为 100 kHz/ 5.0 mA

Inductance measure condition at 100 kHz/ 5.0 mA

☆ 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10%时所加载的实际直流电流值

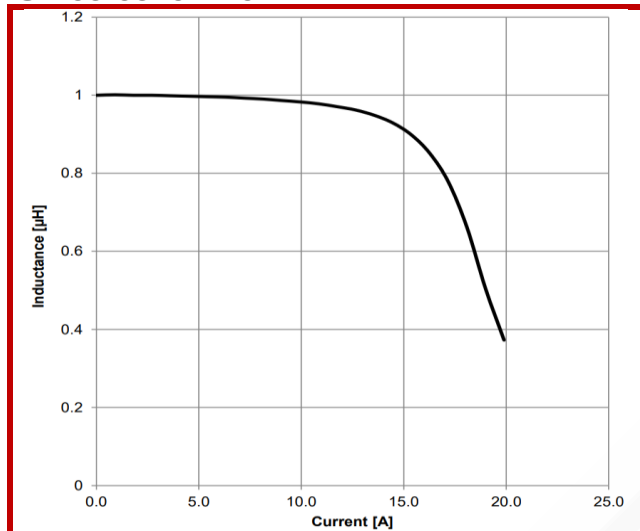
Saturation Current: The actual value of DC current when the inductance drop 10% of initial value



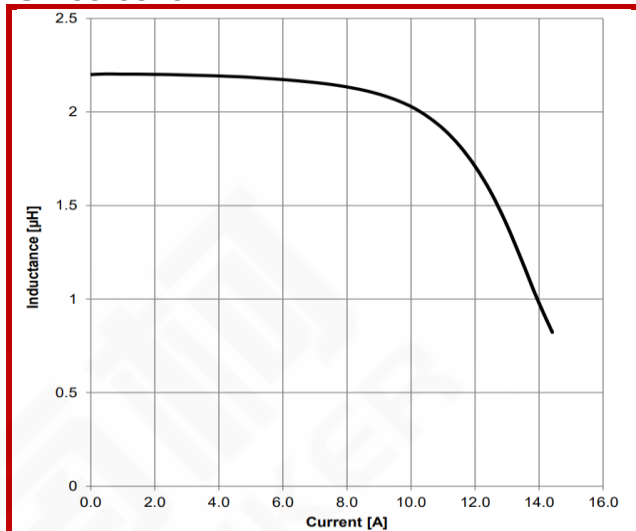
典型电感与电流特性

Typical Inductance vs. Current Characteristics

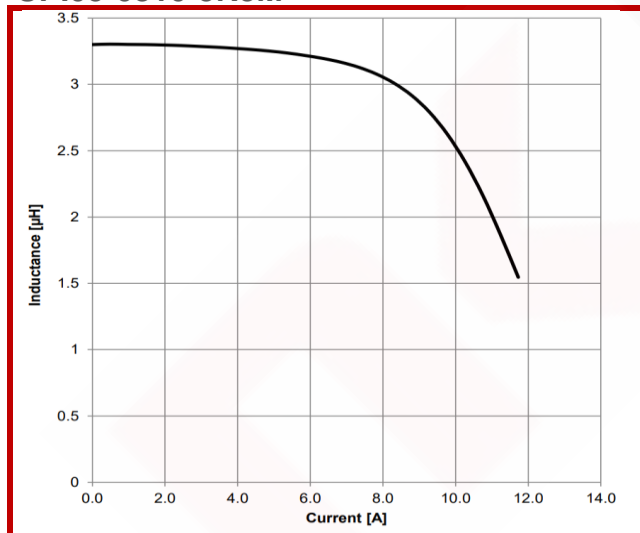
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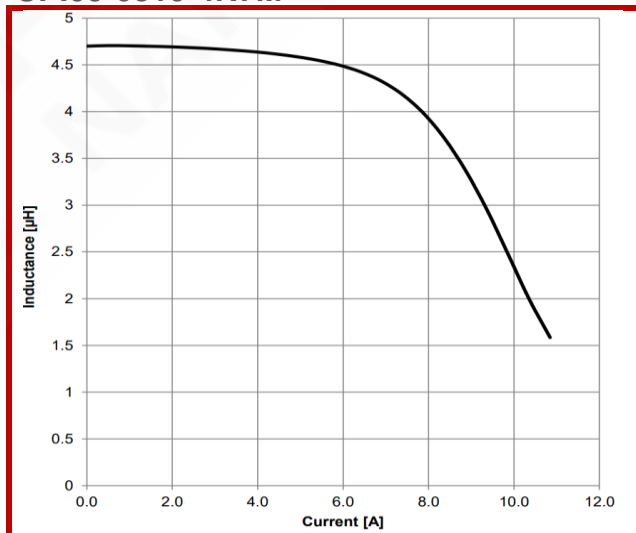
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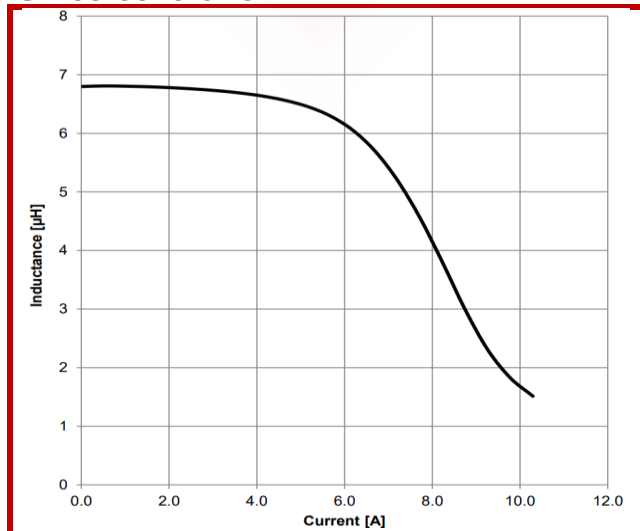
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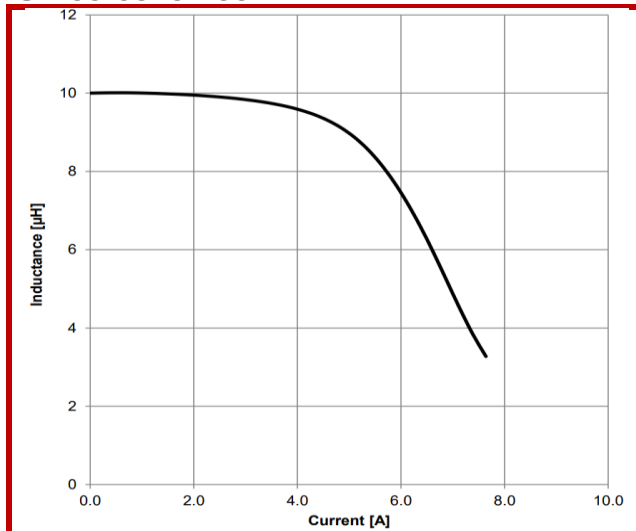
UPI05-0810-4R7M



UPI05-0810-6R8M



UPI05-0810-100M

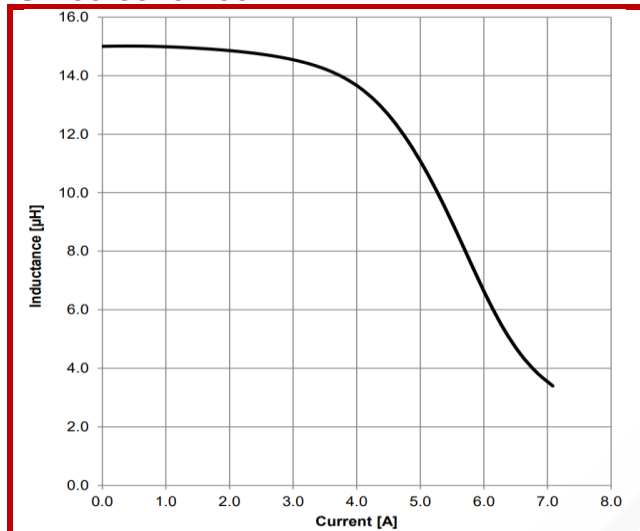




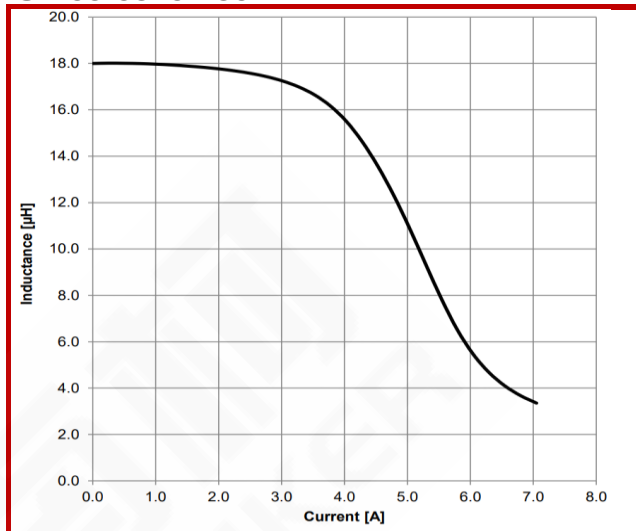
典型电感与电流特性

Typical Inductance vs. Current Characteristics

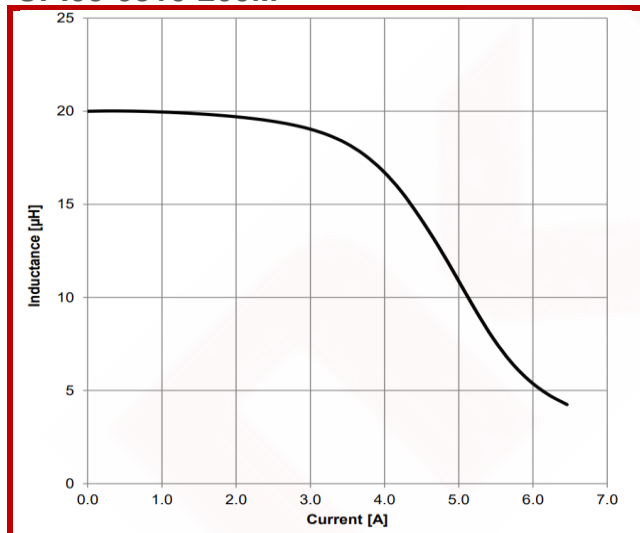
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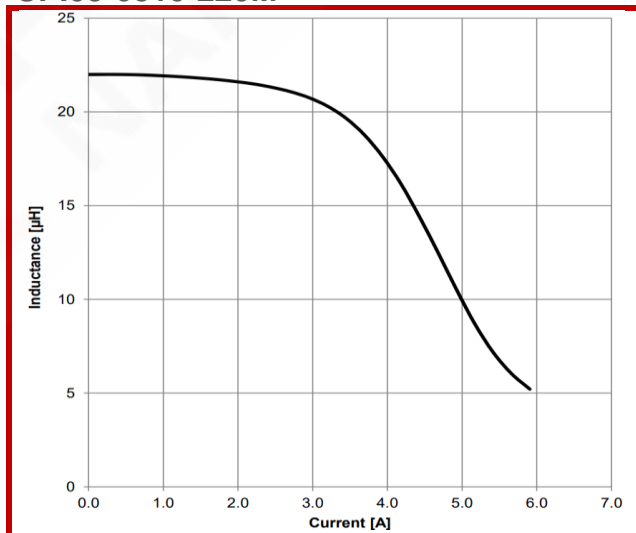
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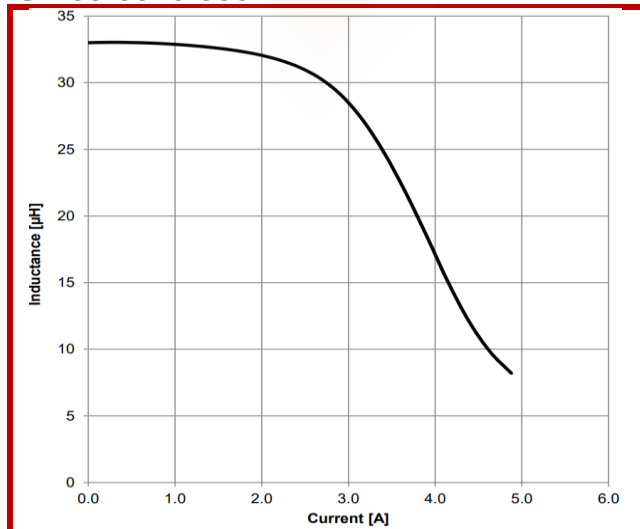
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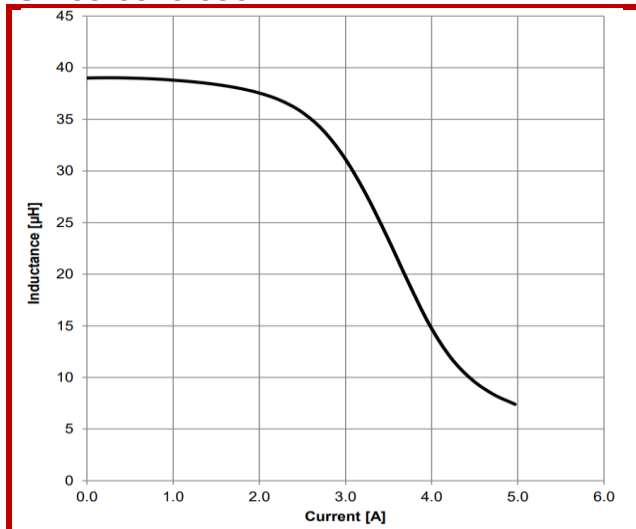
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UPI05-0810-330M



UPI05-0810-390M

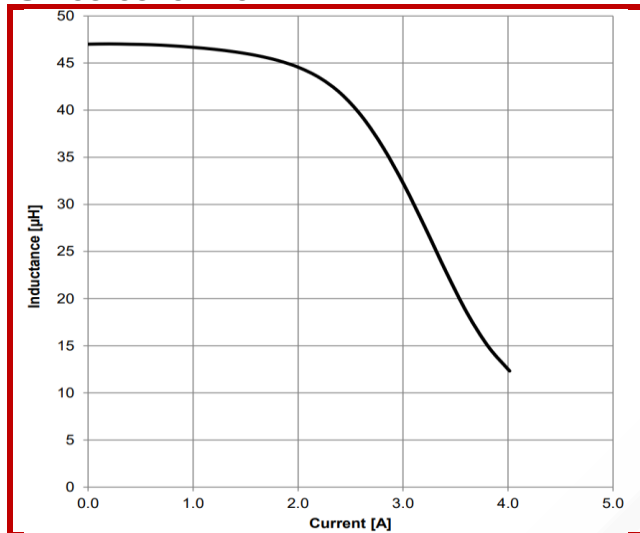




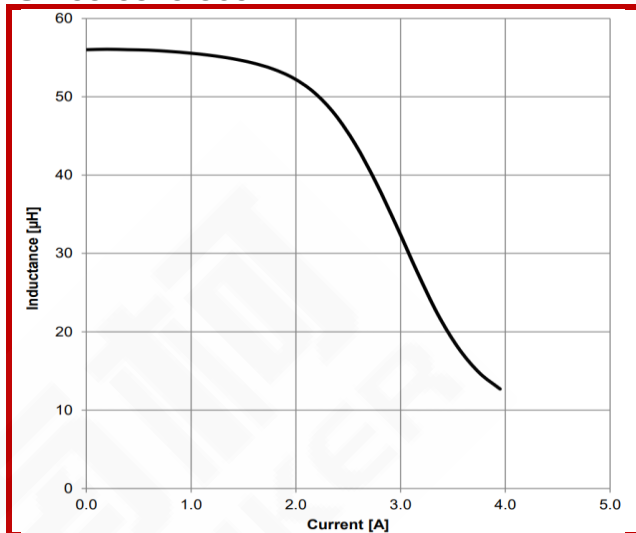
典型电感与电流特性

Typical Inductance vs. Current Characteristics

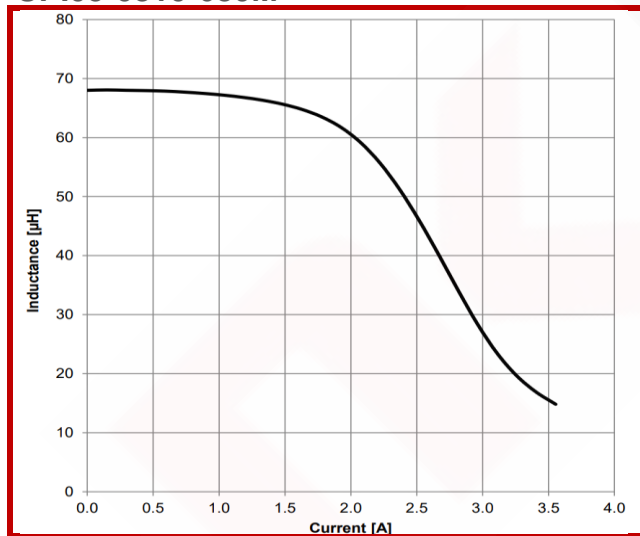
UPI05-0810-470M



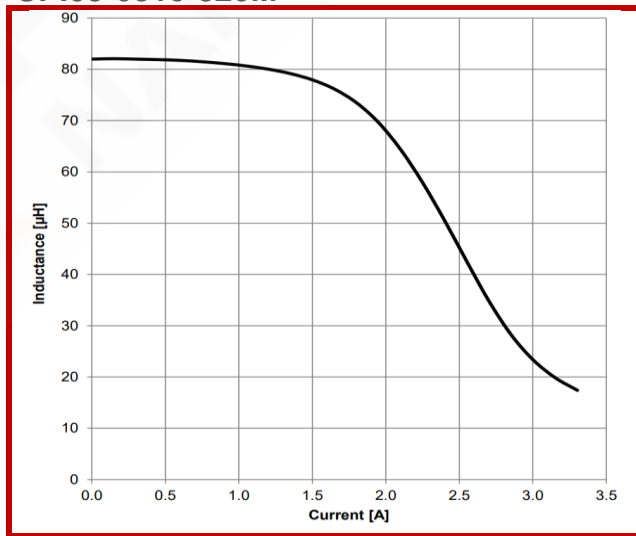
UPI05-0810-560M



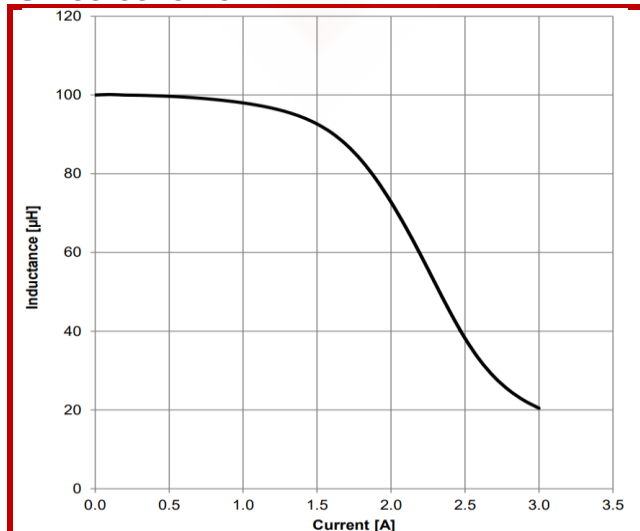
UPI05-0810-680M



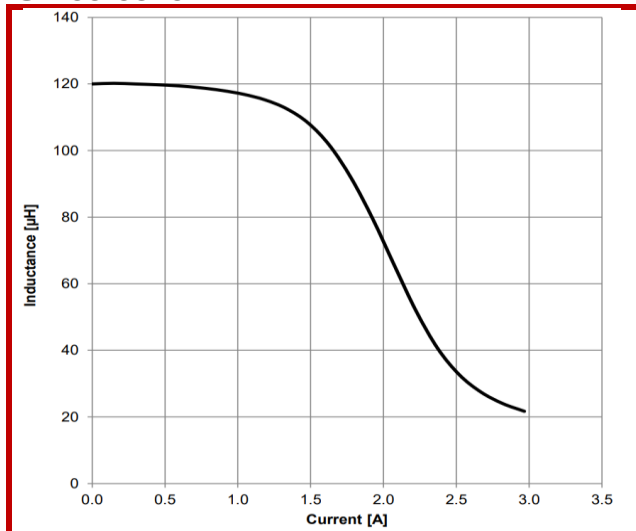
UPI05-0810-820M



UPI05-0810-101M



UPI05-0810-121M

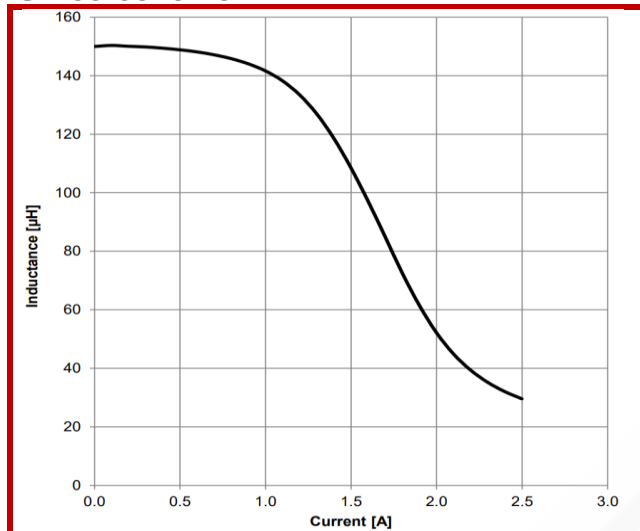




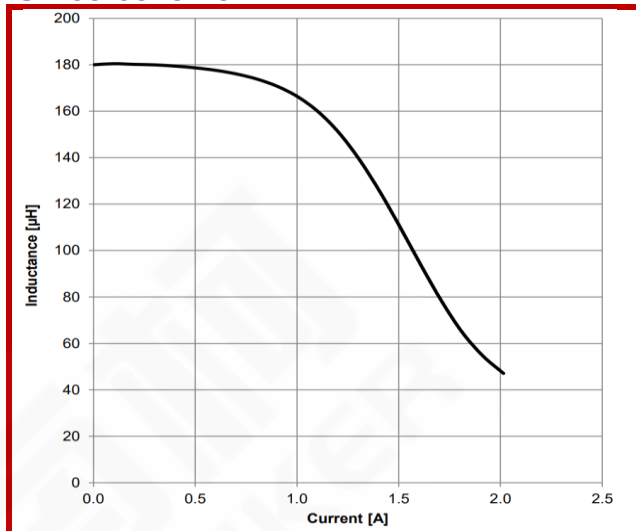
典型电感与电流特性

Typical Inductance vs. Current Characteristics

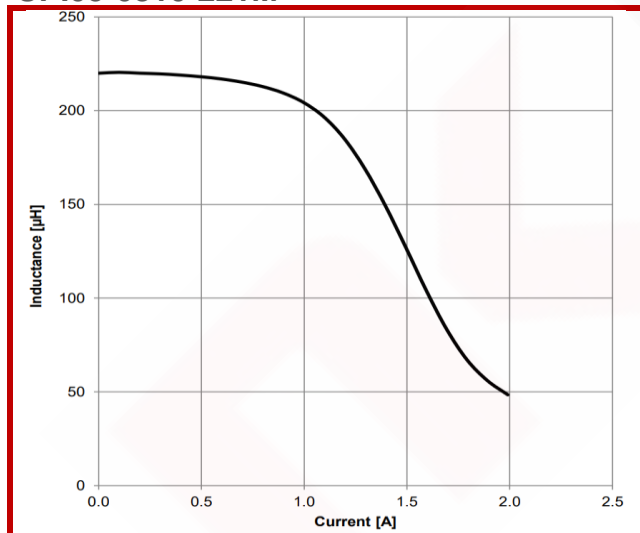
UPI05-0810-151M



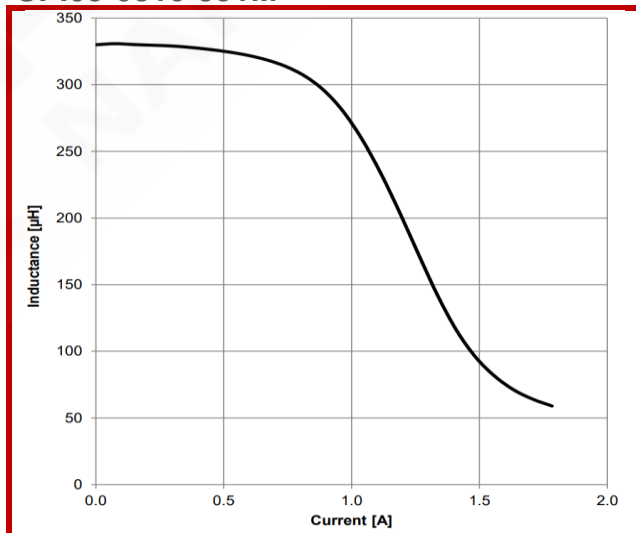
UPI05-0810-181M



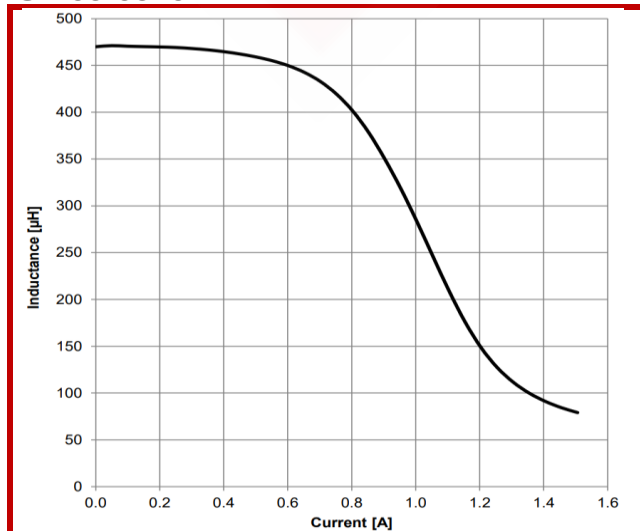
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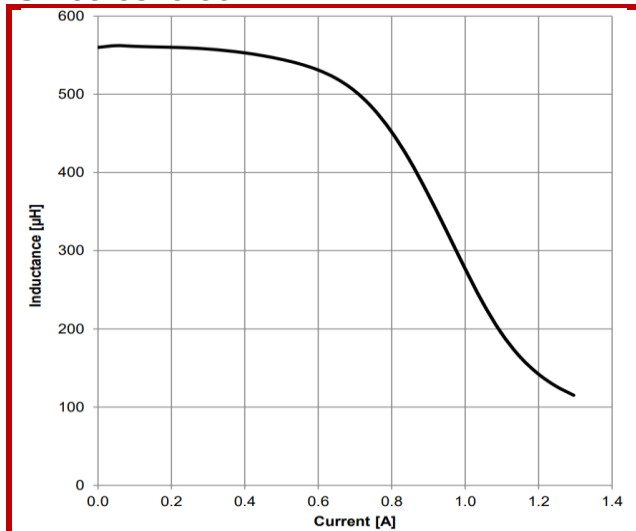
UPI05-0810-331M



UPI05-0810-471M



UPI05-0810-561M

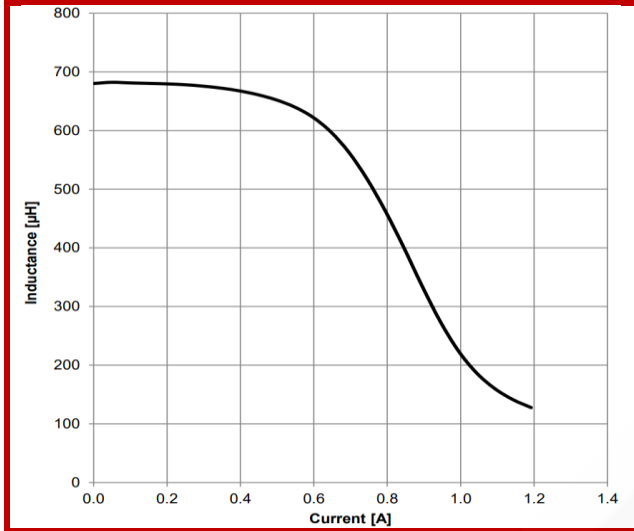




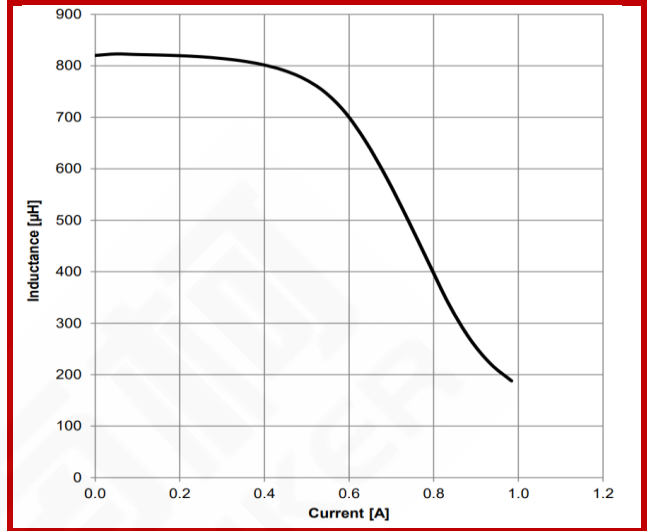
典型电感与电流特性

Typical Inductance vs. Current Characteristics

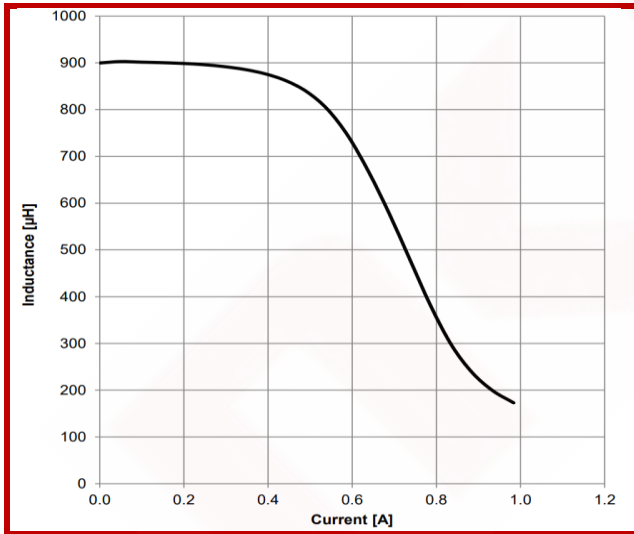
UPI05-0810-681M



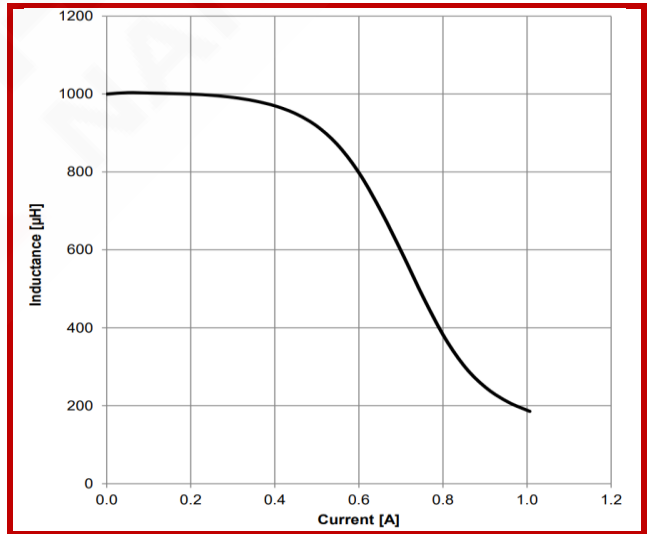
UPI05-0810-821M



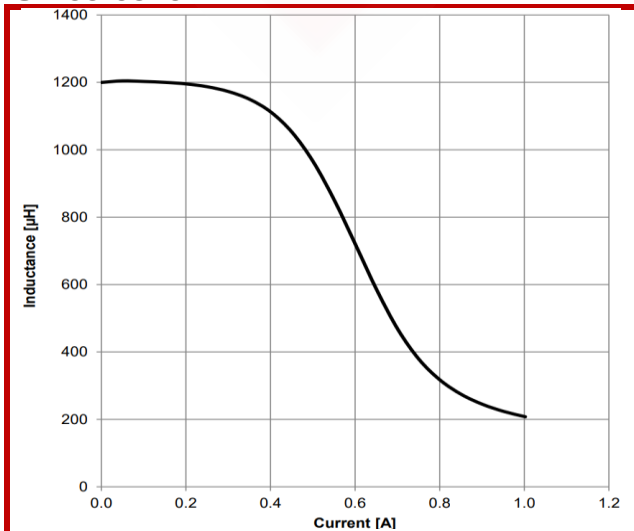
UPI05-0810-901M



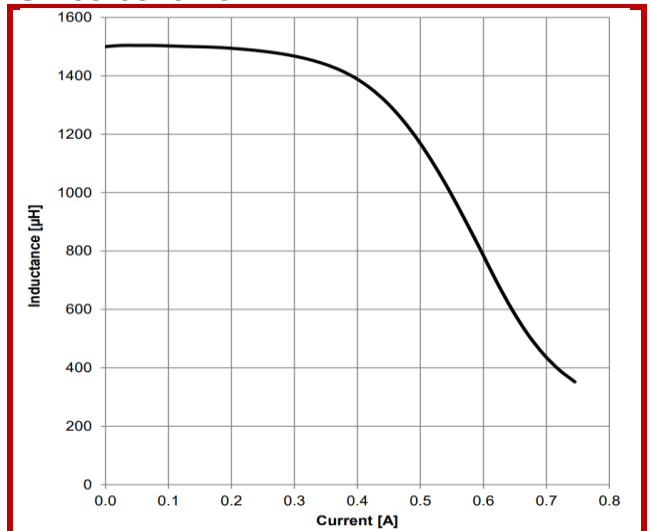
UPI05-0810-102M



UPI05-0810-122M



UPI05-0810-152M

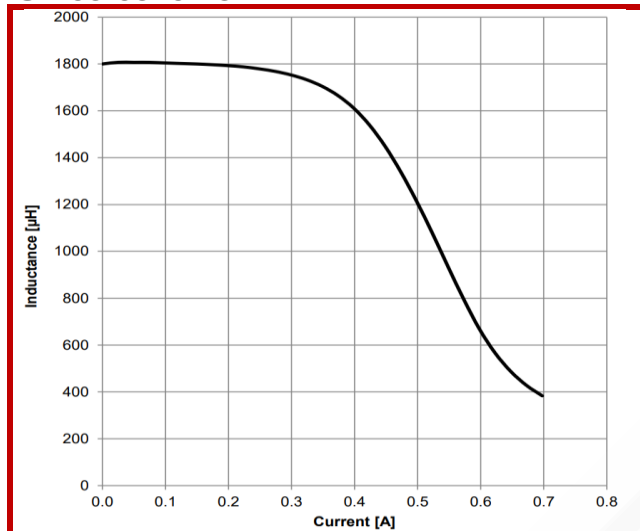




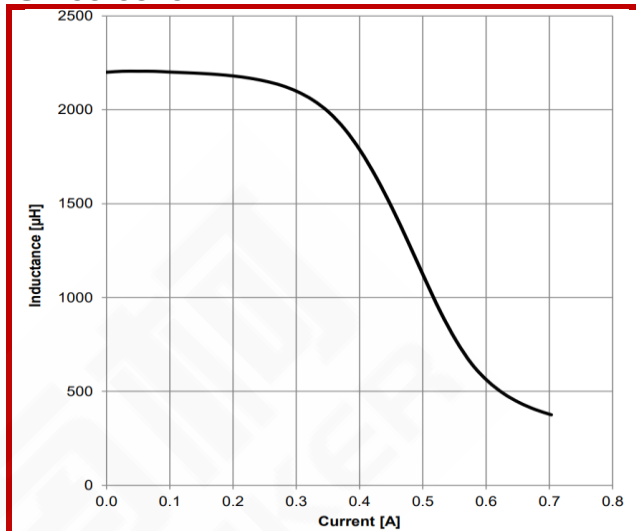
典型电感与电流特性

Typical Inductance vs. Current Characteristics

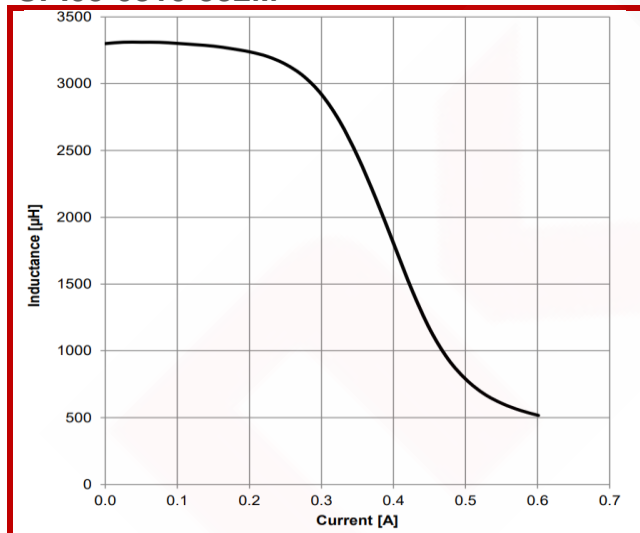
UPI05-0810-182M



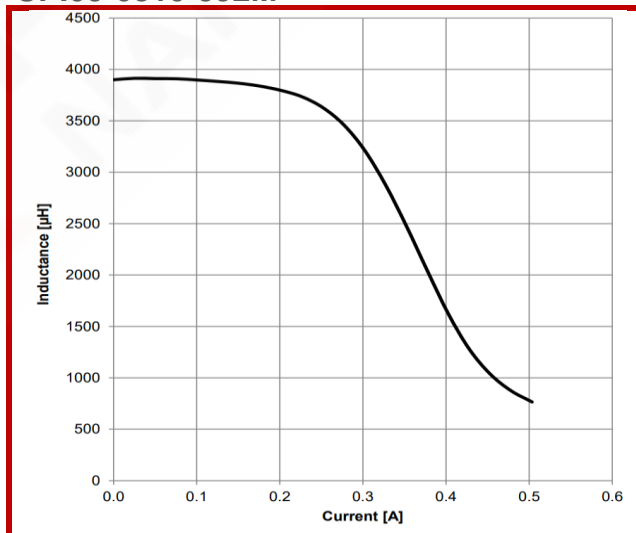
UPI05-0810-222M



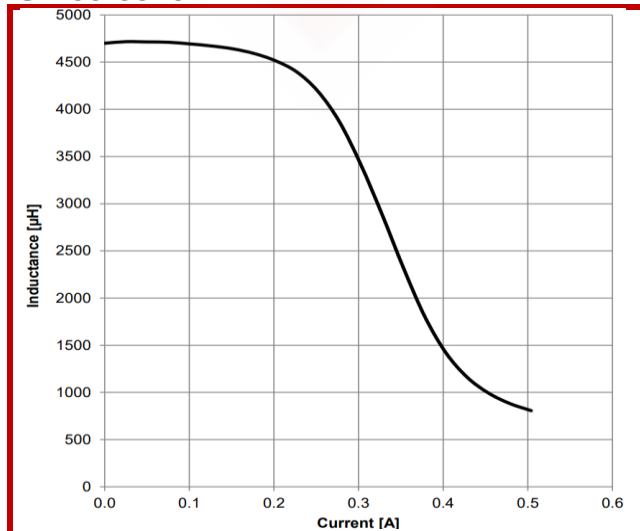
UPI05-0810-332M



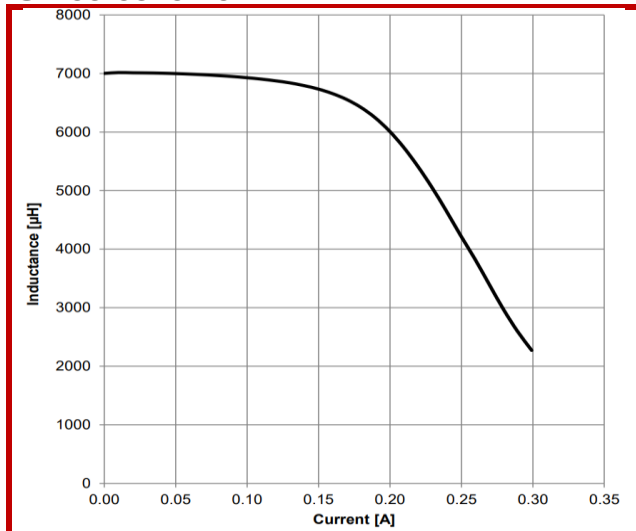
UPI05-0810-392M



UPI05-0810-472M



UPI05-0810-702M

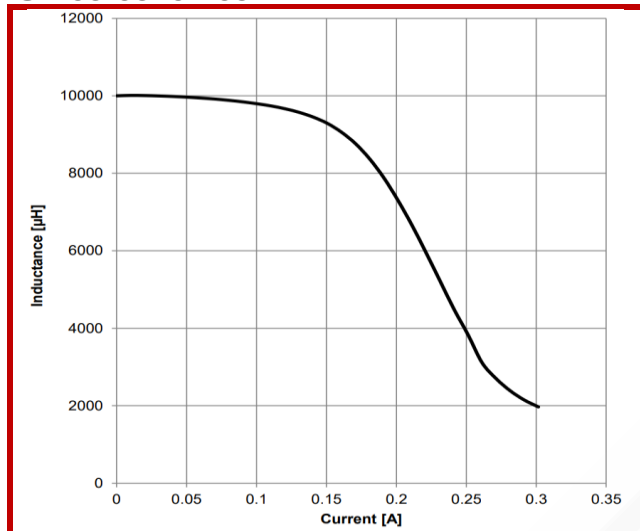




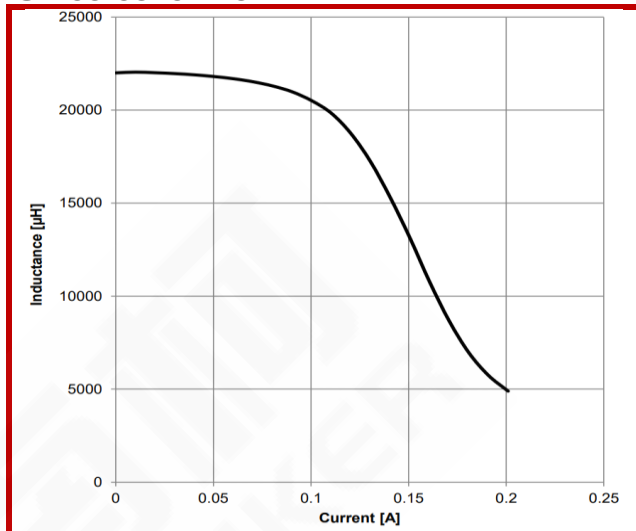
典型电感与电流特性

Typical Inductance vs. Current Characteristics

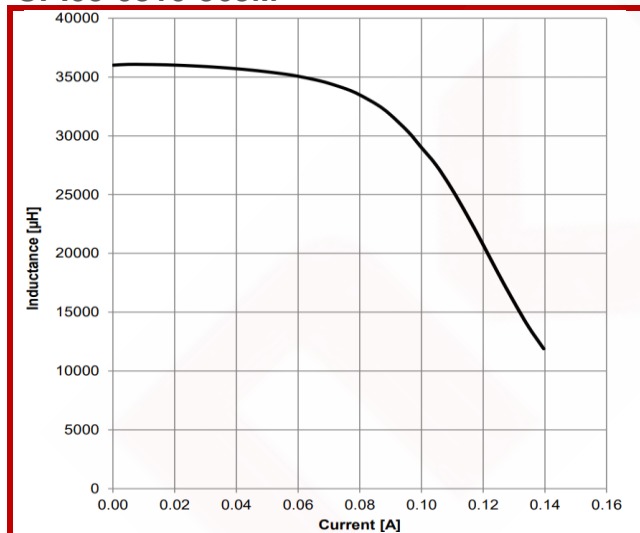
UPI05-0810-103M



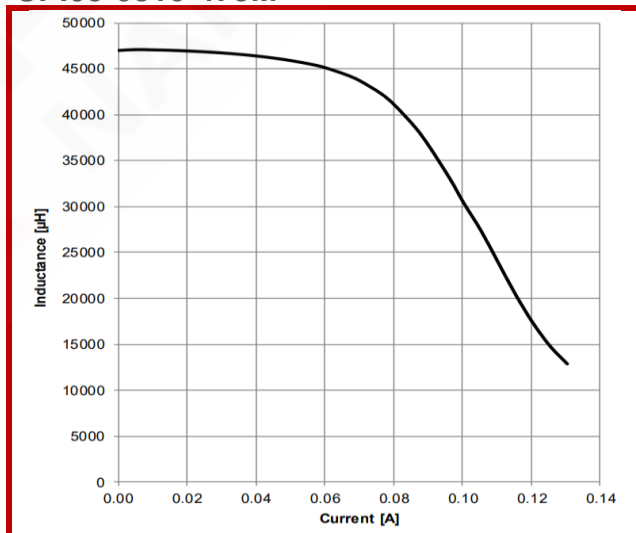
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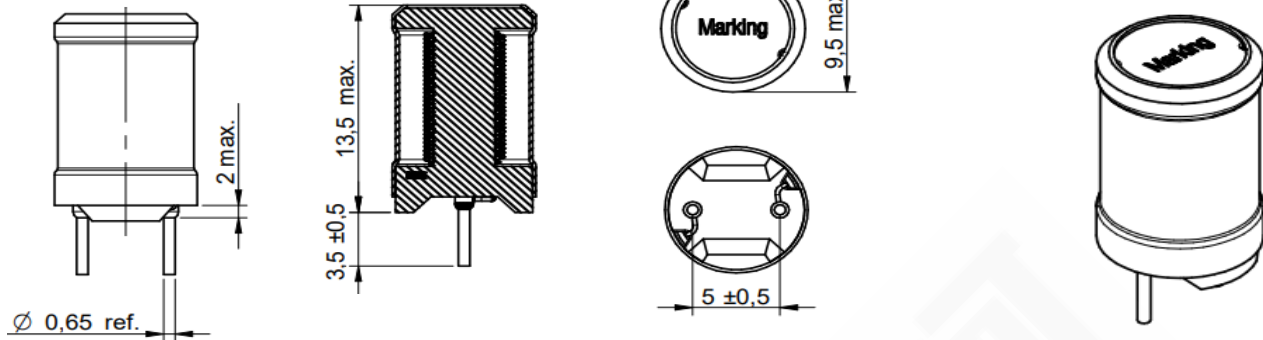
UPI05-0810-363M



UPI05-0810-473M



尺寸
Dimension (mm)



焊盘推荐
Land Pattern Recommended (mm)

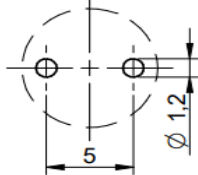


示意图
Schematics



产品尺寸
Product Dimension

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r max 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	袋子数量 Plastic Bag Qty pcs
UPI05-0913-100M	10 ±20%	4.70	0.02	4.50	300
UPI05-0913-101M	100 ±20%	1.80	0.16	1.50	300
UPI05-0913-221M	220 ±20%	1.20	0.29	1.05	300
UPI05-0913-331M	330 ±20%	1.10	0.47	0.85	300
UPI05-0913-391M	390 ±20%	1.00	0.52	0.80	300
UPI05-0913-561M	560 ±20%	0.81	0.85	0.75	300
UPI05-0913-821M	820 ±20%	0.70	1.20	0.60	300
UPI05-0913-102M	1,000 ±20%	0.60	1.55	0.55	300
UPI05-0913-152M	1,500 ±20%	0.50	2.10	0.43	300
UPI05-0913-222M	2,200 ±20%	0.40	2.90	0.40	300
UPI05-0913-392M	3,900 ±20%	0.28	4.80	0.25	300
UPI05-0913-472M	4,700 ±20%	0.23	7.00	0.20	300
UPI05-0913-103M	10,000 ±20%	0.18	16.60	0.18	300
UPI05-0913-683M	68,000 ±20%	0.05	106.00	0.07	300

测试状态

Test Condition

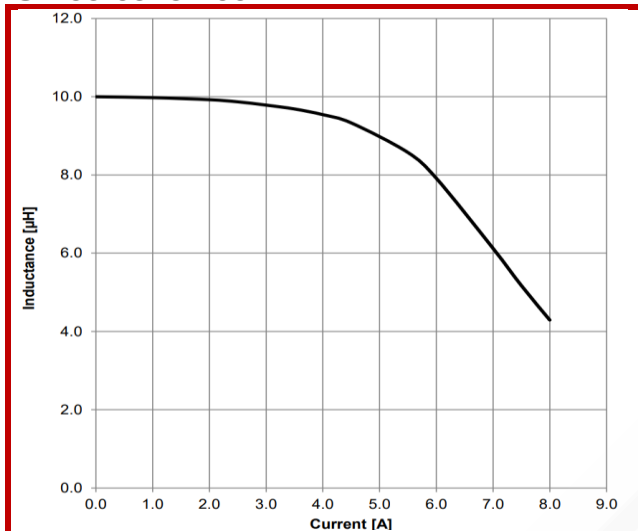
- ☆ 电感测试条件为 100 kHz/ 5.0 mA
Inductance measure condition at 100 kHz/ 5.0 mA
- ☆ 工作温度: -40°C ~ +125°C
Operating Temperature: -40°C ~ +125°C
- ☆ 饱和电流: 电感值下降其初始值的10%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 10% of initial value



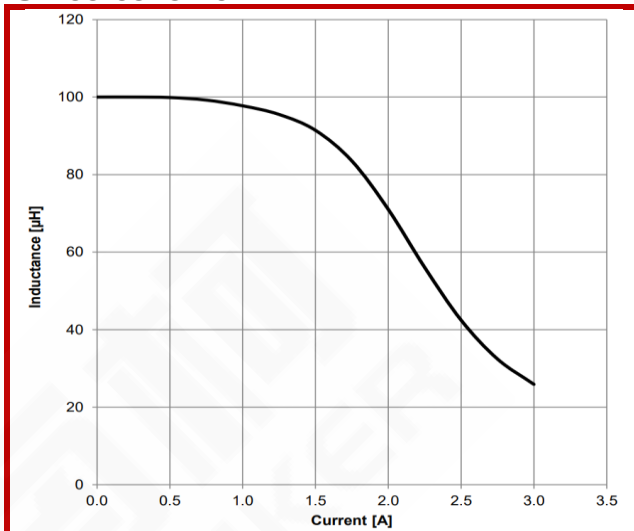
典型电感与电流特性

Typical Inductance vs. Current Characteristics

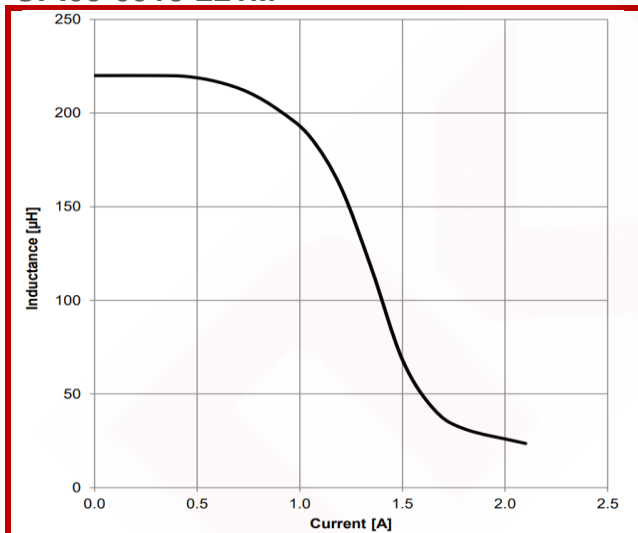
UPI05-0913-100M



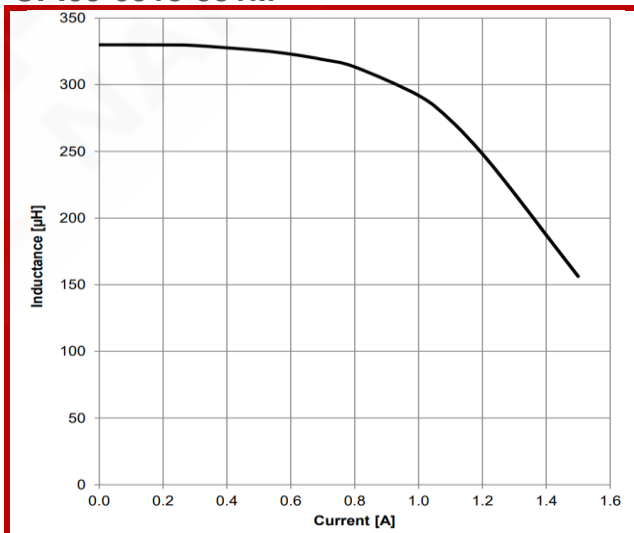
UPI05-0913-101M



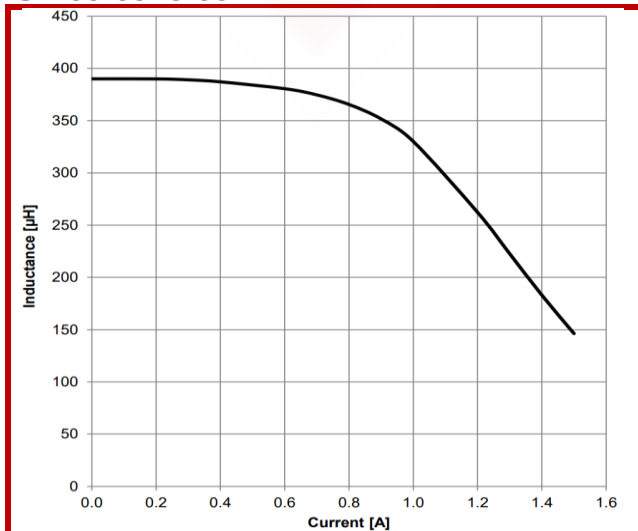
UPI05-0913-221M



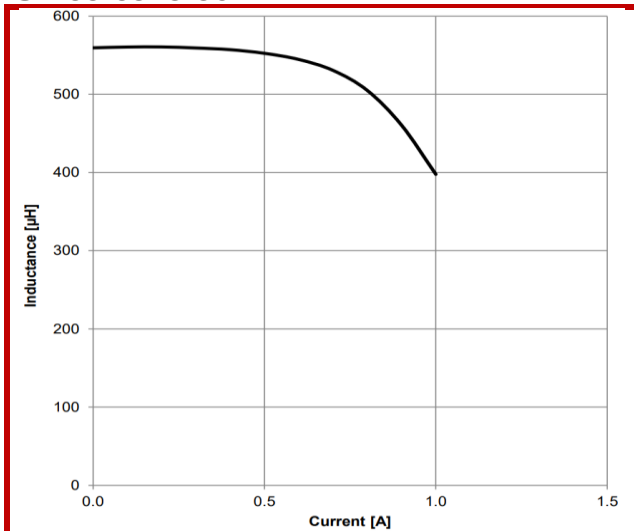
UPI05-0913-331M



UPI05-0913-391M



UPI05-0913-561M

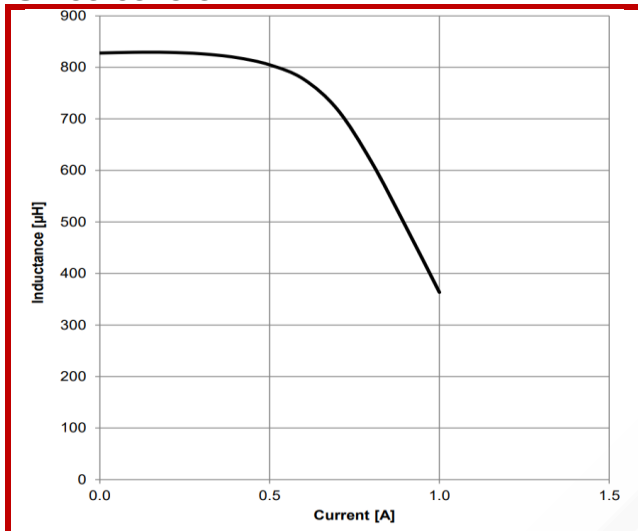




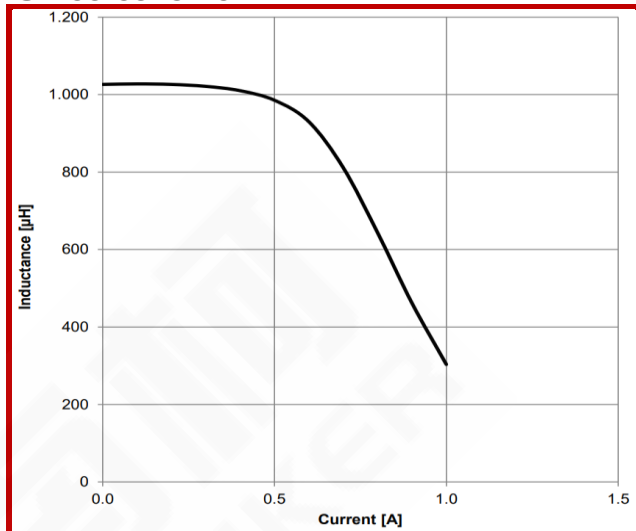
典型电感与电流特性

Typical Inductance vs. Current Characteristics

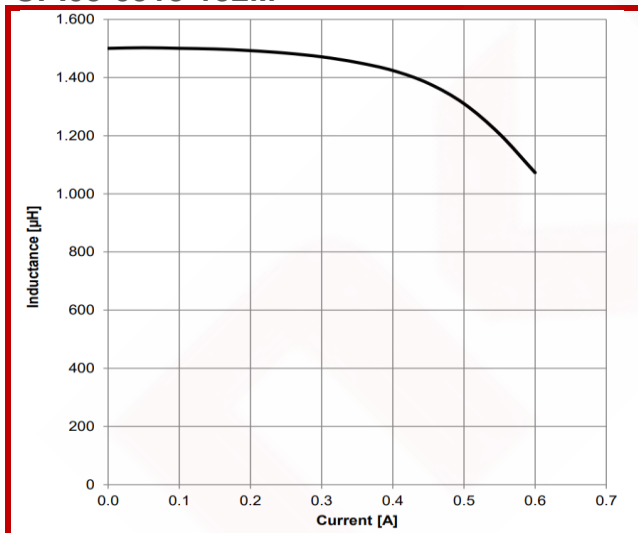
UPI05-0913-821M



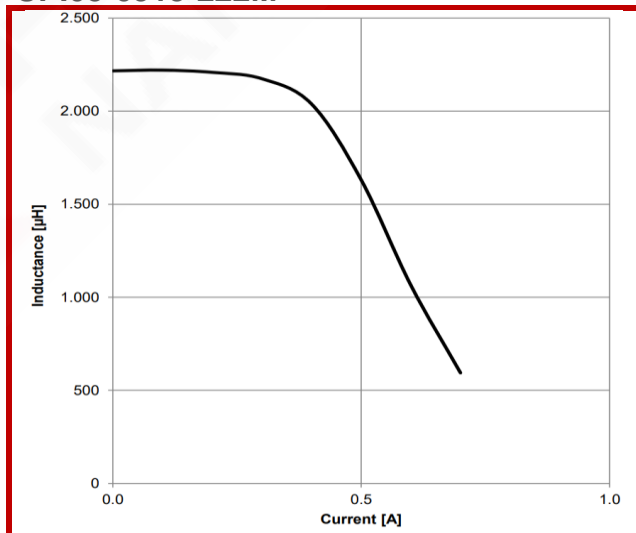
UPI05-0913-102M



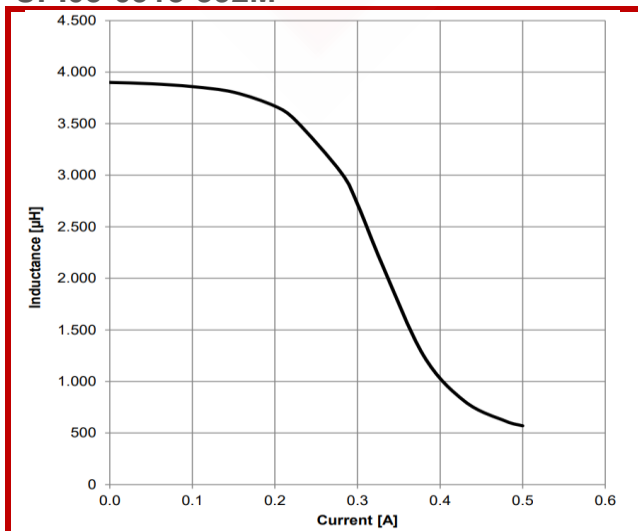
UPI05-0913-152M



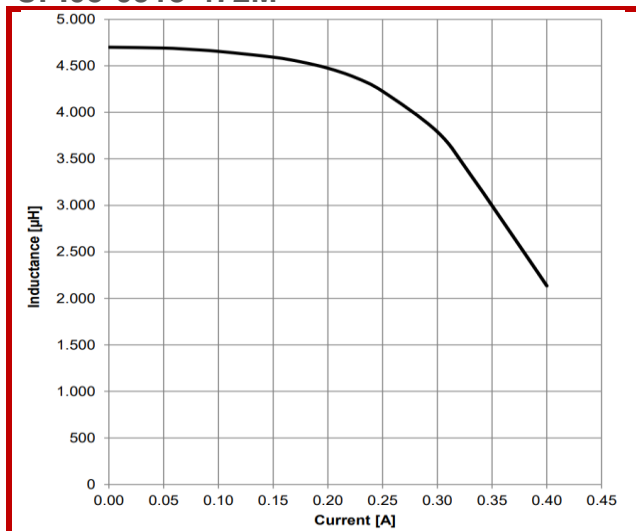
UPI05-0913-222M



UPI05-0913-392M



UPI05-0913-472M

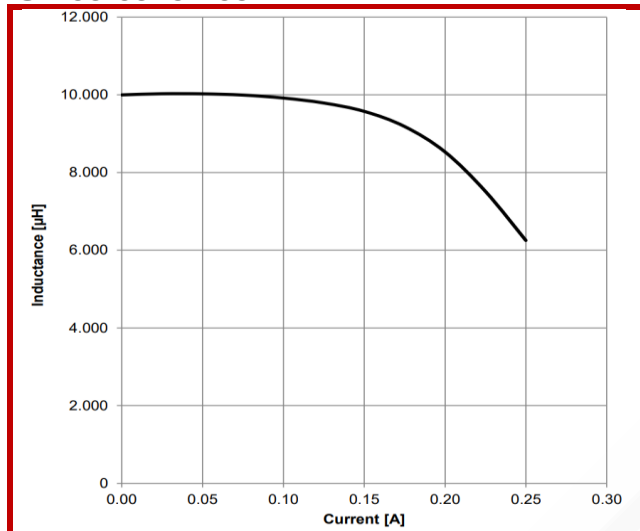




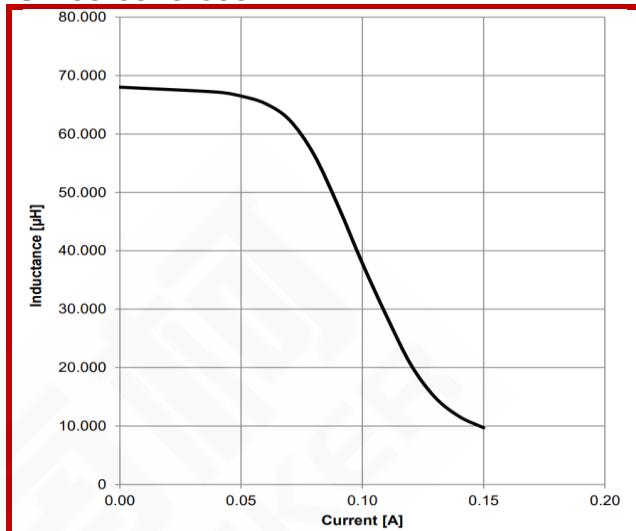
典型电感与电流特性

Typical Inductance vs. Current Characteristics

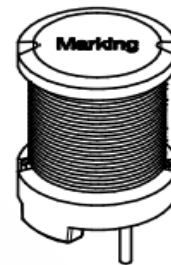
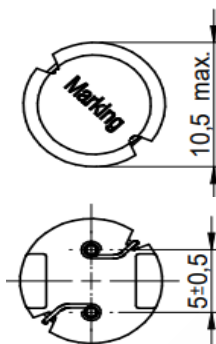
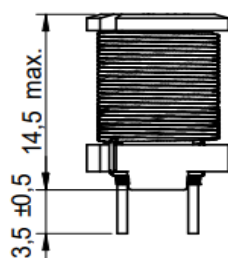
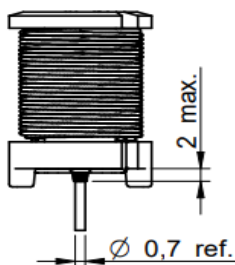
UPI05-0913-103M



UPI05-0913-683M



尺寸 Dimension (mm)



焊盘推荐 Land Pattern Recommended (mm)

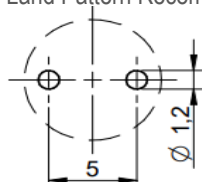


示意图 Schematics



产品尺寸 Product Dimension

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r max 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	袋子数量 Plastic Bag Qty pcs
UPI05-1014-680M	68 ±20%	2.90	0.08	3.50	100
UPI05-1014-101M	100 ±20%	2.40	0.13	2.50	100
UPI05-1014-151M	150 ±20%	2.00	0.18	2.10	100
UPI05-1014-221M	220 ±20%	1.60	0.26	1.75	100
UPI05-1014-331M	330 ±20%	1.40	0.33	1.60	100
UPI05-1014-471M	470 ±20%	1.15	0.52	1.15	100
UPI05-1014-561M	560 ±20%	1.00	0.65	1.10	100
UPI05-1014-681M	680 ±20%	0.90	0.79	1.00	100
UPI05-1014-102M	1,000 ±20%	0.80	1.15	0.80	100
UPI05-1014-122M	1,200 ±20%	0.70	1.40	0.75	100
UPI05-1014-152M	1,500 ±20%	0.68	1.80	0.60	100
UPI05-1014-222M	2,200 ±20%	0.48	2.50	0.56	100
UPI05-1014-332M	3,300 ±20%	0.36	4.00	0.40	100
UPI05-1014-562M	5,600 ±20%	0.32	5.80	0.34	100
UPI05-1014-822M	8,200 ±20%	0.30	9.00	0.30	100

测试状态

Test Condition

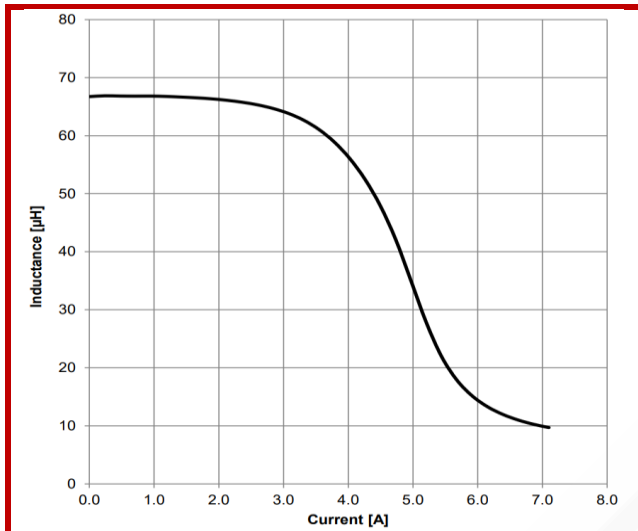
- ☆ 电感测试条件为 100 kHz/ 5.0 mA
Inductance measure condition at 100 kHz/ 5.0 mA
- ☆ 工作温度: -40°C ~ +125°C
Operating Temperature: -40°C ~ +125°C
- ☆ 饱和电流: 电感值下降其初始值的10%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 10% of initial value



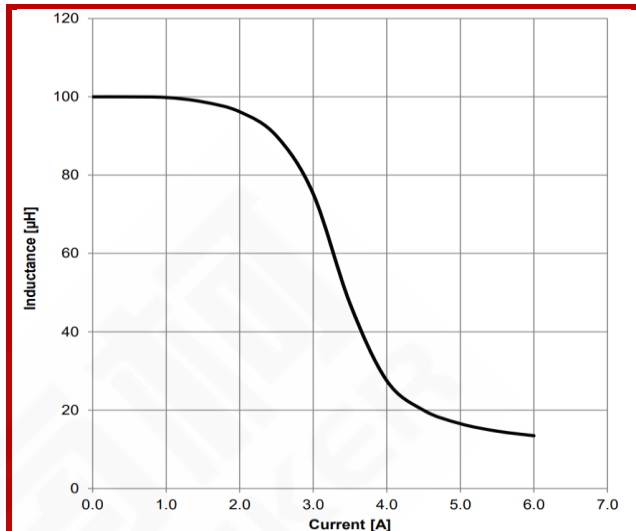
典型电感与电流特性

Typical Inductance vs. Current Characteristics

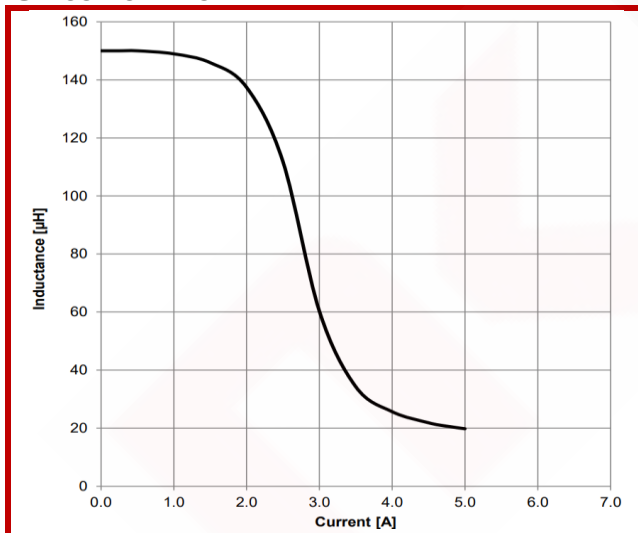
UPI05-1014-680M



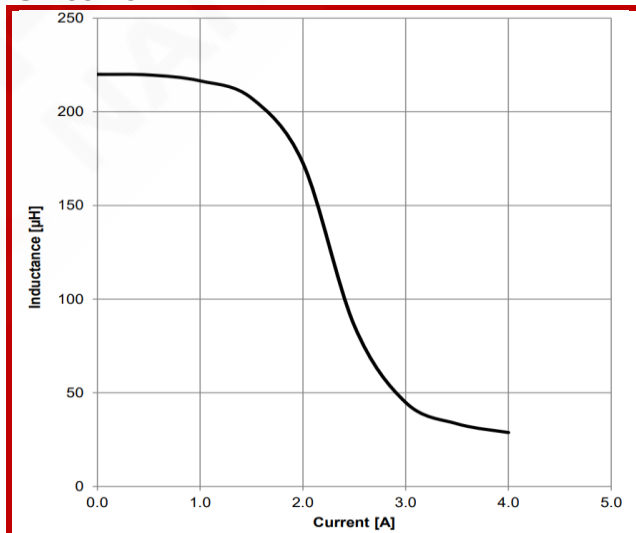
UPI05-1014-101M



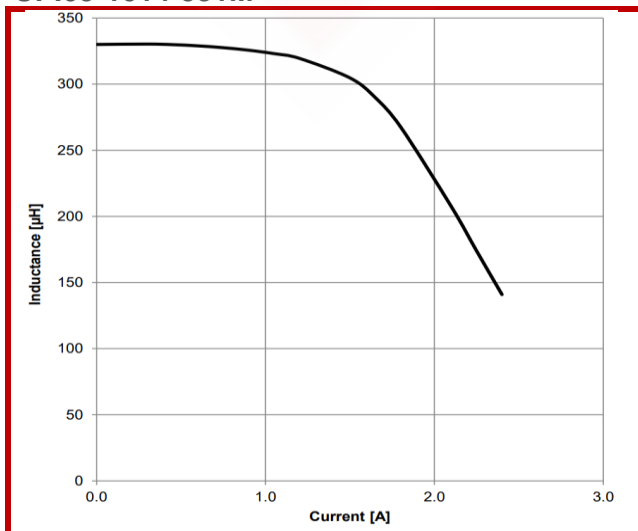
UPI05-1014-151M



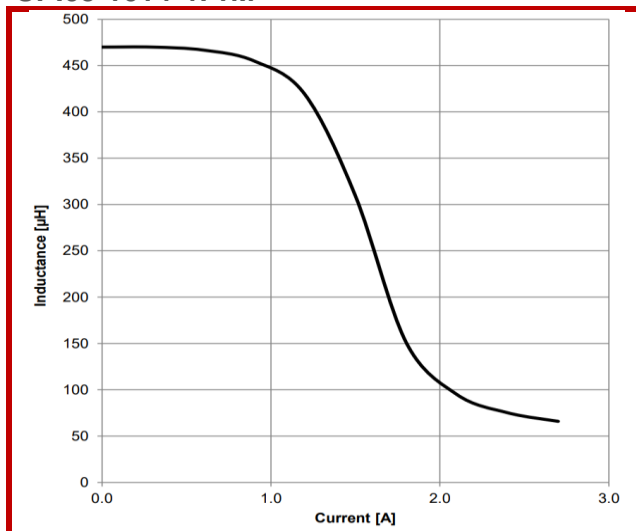
UPI05-1014-221M



UPI05-1014-331M



UPI05-1014-471M

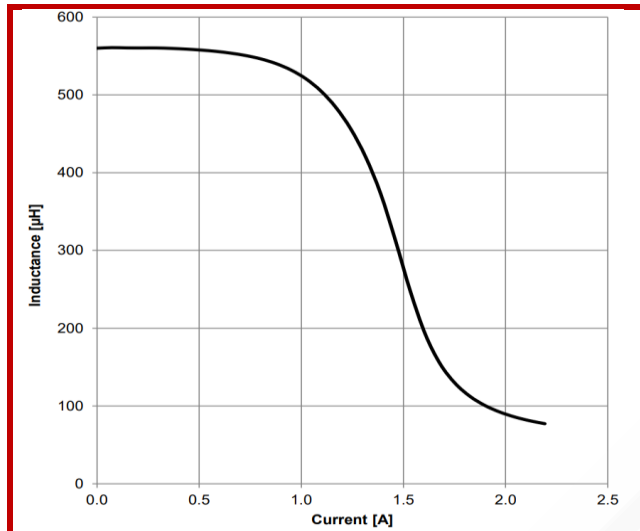




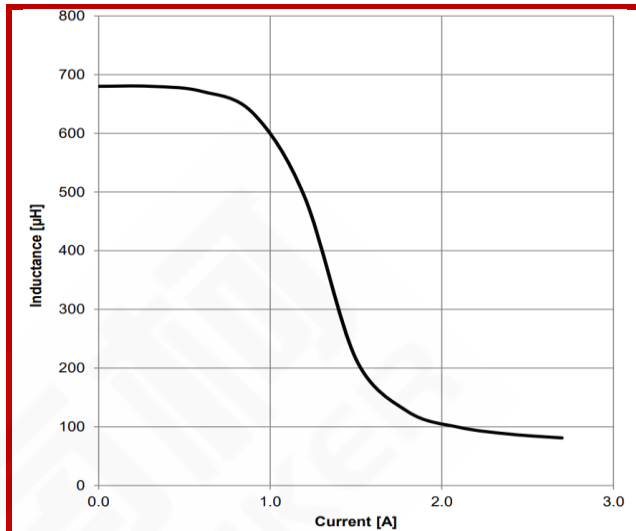
典型电感与电流特性

Typical Inductance vs. Current Characteristics

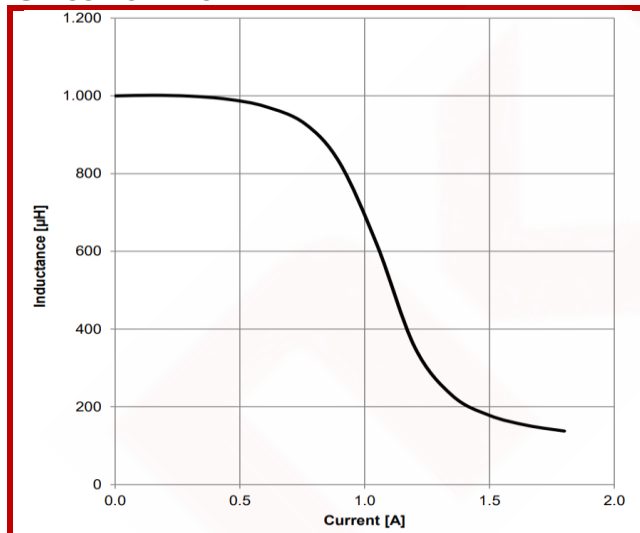
UPI05-1014-561M



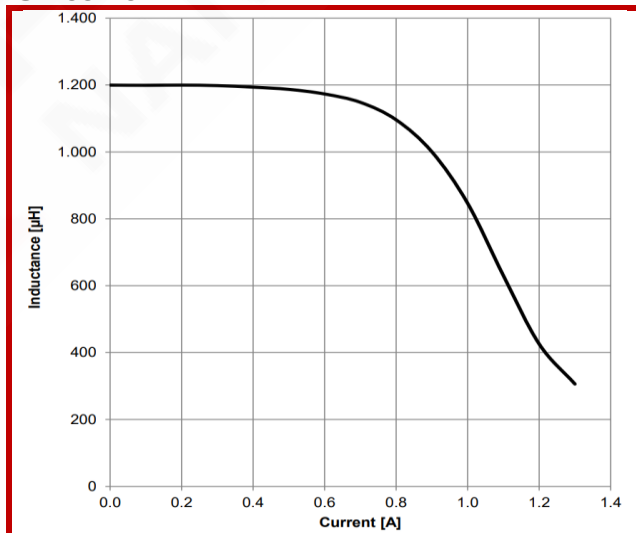
UPI05-1014-681M



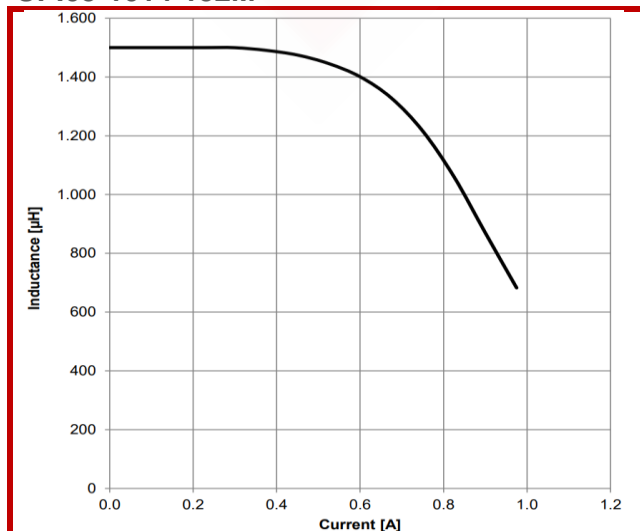
UPI05-1014-102M



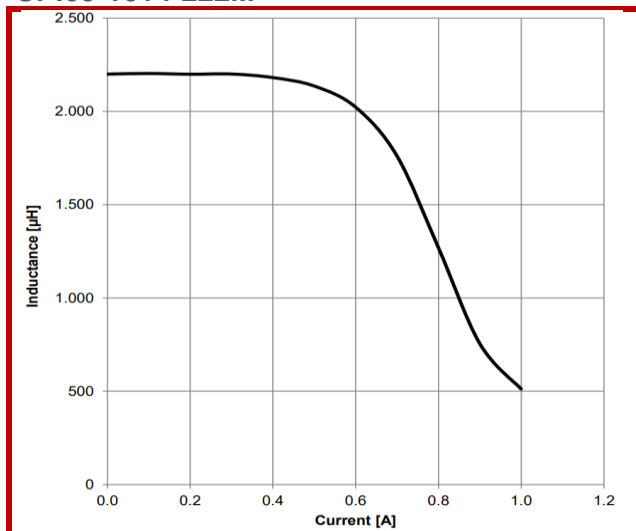
UPI05-1014-122M



UPI05-1014-152M



UPI05-1014-222M

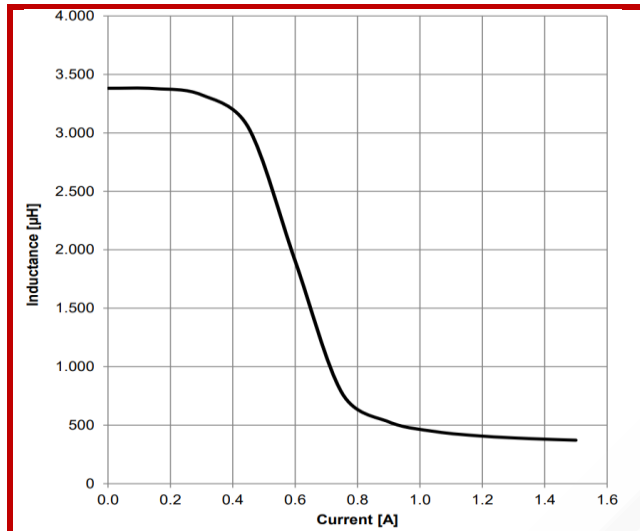




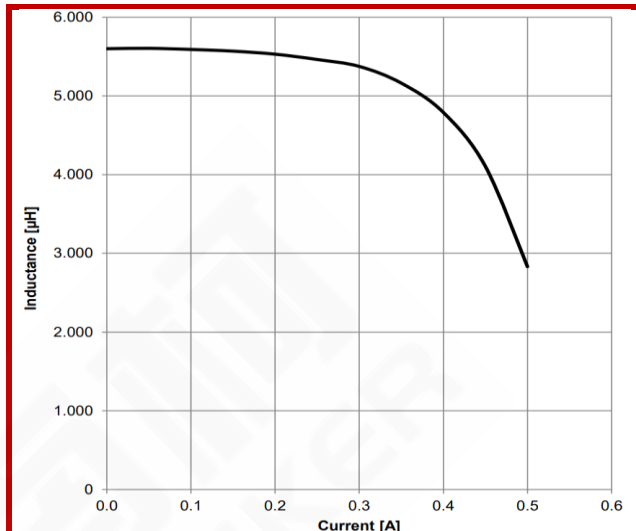
典型电感与电流特性

Typical Inductance vs. Current Characteristics

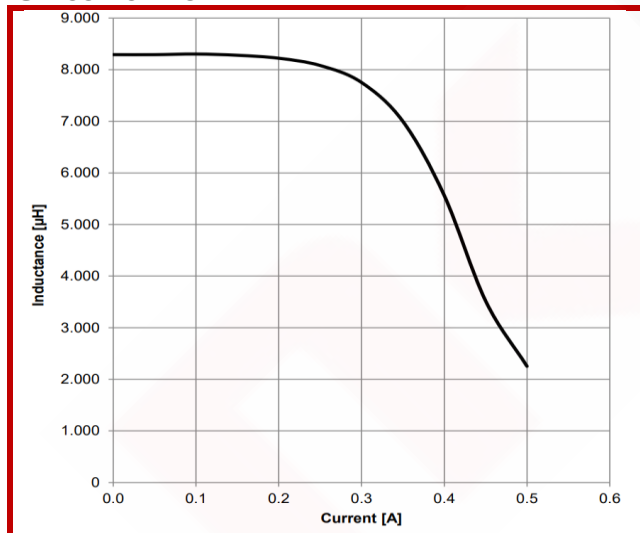
UPI05-1014-332M



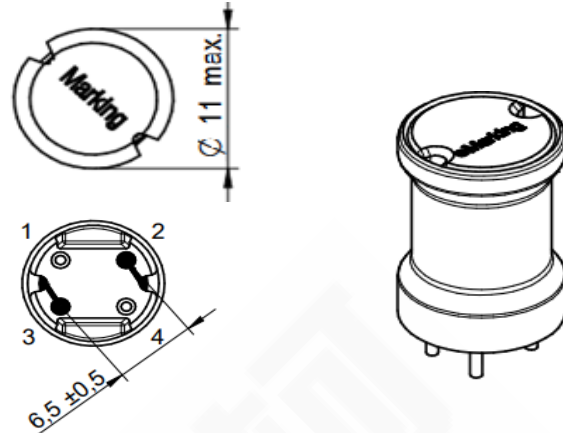
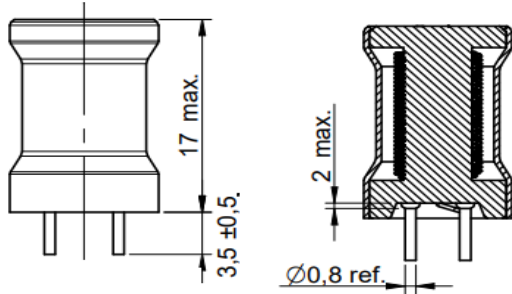
UPI05-1014-562M



UPI05-1014-822M



尺寸 Dimension (mm)



焊盘推荐 Land Pattern Recommended (mm)

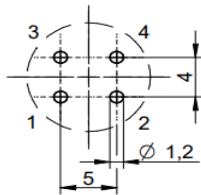


示意图 Schematics



产品尺寸 Product Dimension

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r max 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	袋子数量 Plastic Bag Qty pcs
UPI05-1117-101M	100 ±20%	2.45	0.10	2.75	100
UPI05-1117-221M	220 ±20%	1.65	0.22	1.90	100
UPI05-1117-331M	330 ±20%	1.35	0.32	1.55	100
UPI05-1117-471M	470 ±20%	1.10	0.46	1.30	100
UPI05-1117-681M	680 ±20%	0.90	0.67	1.10	100
UPI05-1117-102M	1,000 ±20%	0.75	0.98	0.90	100
UPI05-1117-222M	2,200 ±20%	0.50	2.10	0.61	100
UPI05-1117-332M	3,300 ±20%	0.40	3.20	0.50	100
UPI05-1117-472M	4,700 ±20%	0.34	4.60	0.42	100
UPI05-1117-682M	6,800 ±20%	0.28	6.60	0.35	100
UPI05-1117-103M	10,000 ±20%	0.23	9.70	0.29	100

测试状态

Test Condition

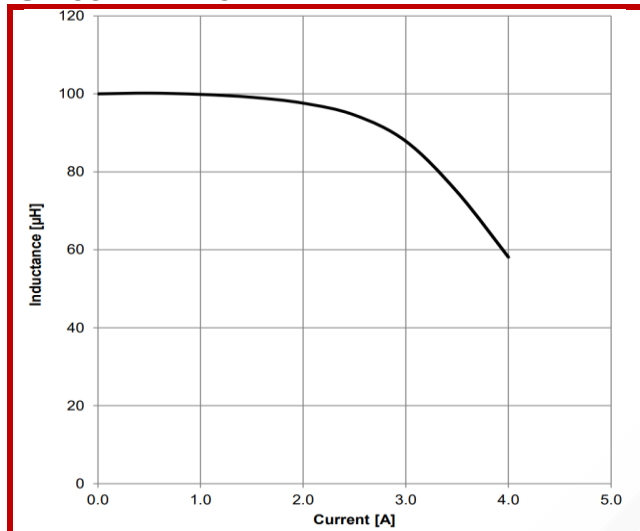
- ☆ 电感测试条件为 100 kHz/ 5.0 mA
Inductance measure condition at 100 kHz/ 5.0 mA
- ☆ 工作温度: -40°C ~ +125°C
Operating Temperature: -40°C ~ +125°C
- ☆ 饱和电流: 电感值下降其初始值的10%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 10% of initial value



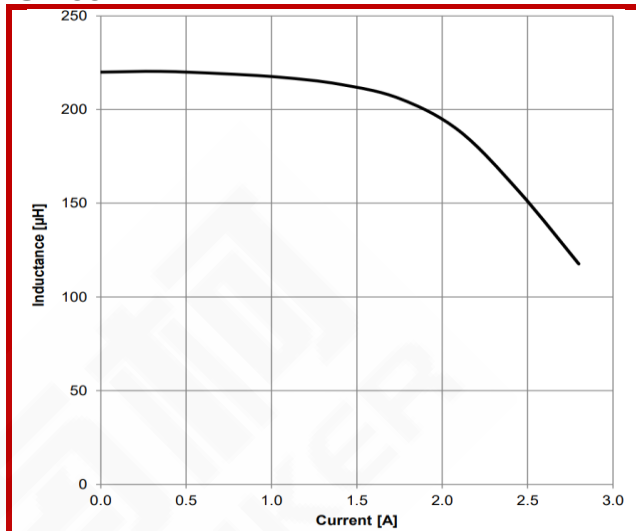
典型电感与电流特性

Typical Inductance vs. Current Characteristics

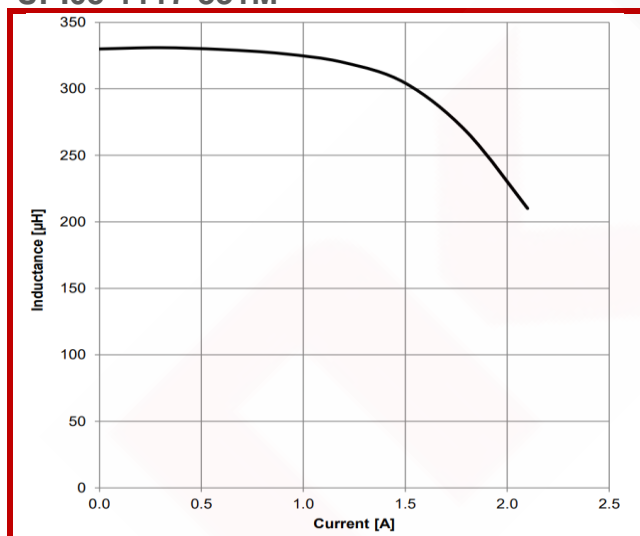
UPI05-1117-101M



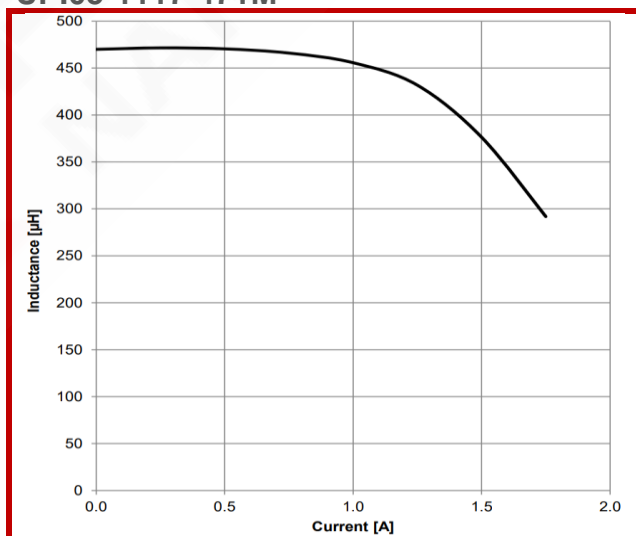
UPI05-1117-221M



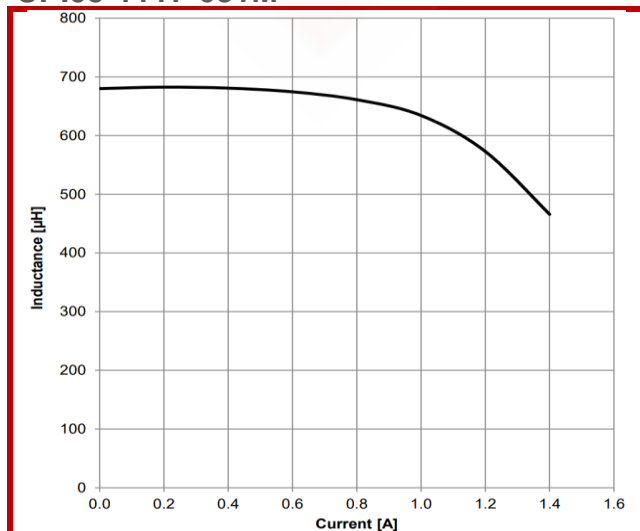
UPI05-1117-331M



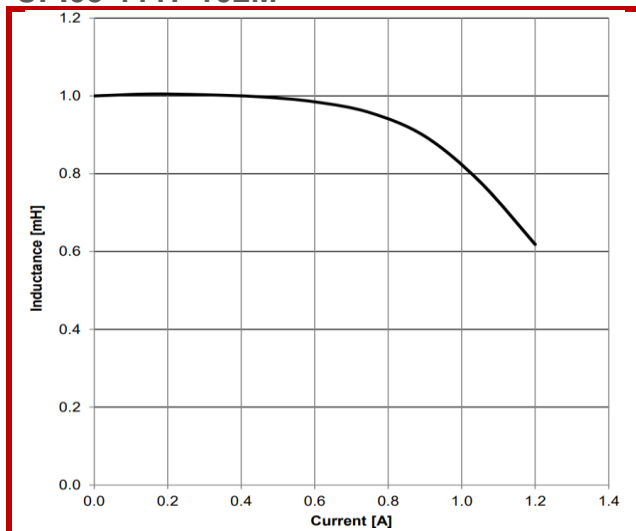
UPI05-1117-471M



UPI05-1117-681M



UPI05-1117-102M

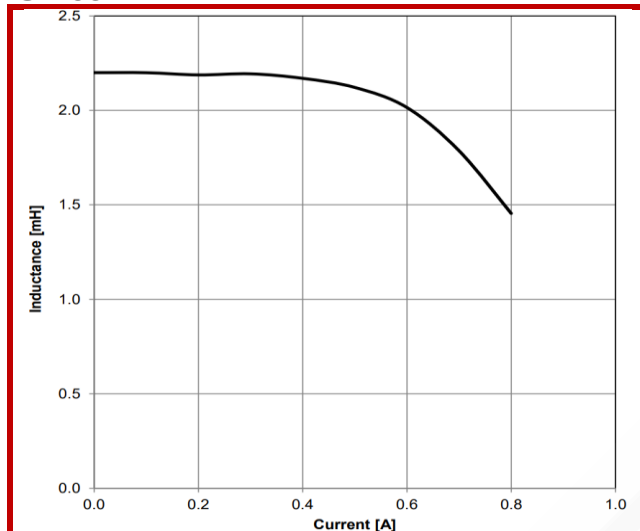




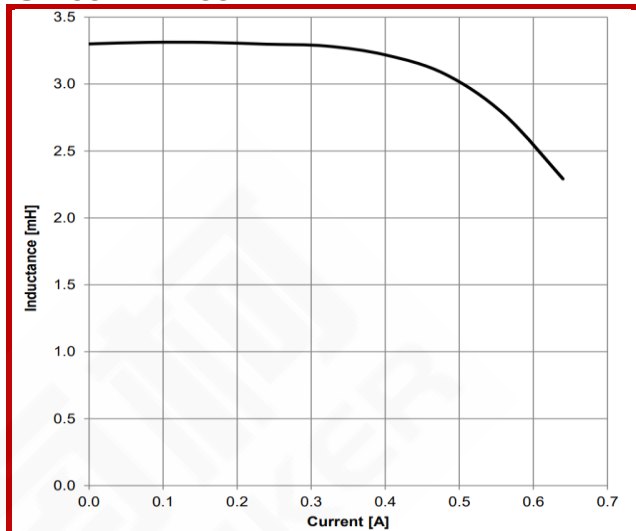
典型电感与电流特性

Typical Inductance vs. Current Characteristics

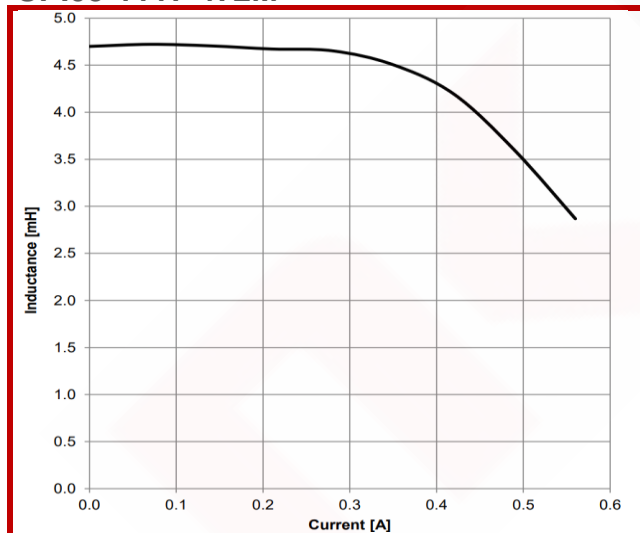
UPI05-1117-222M



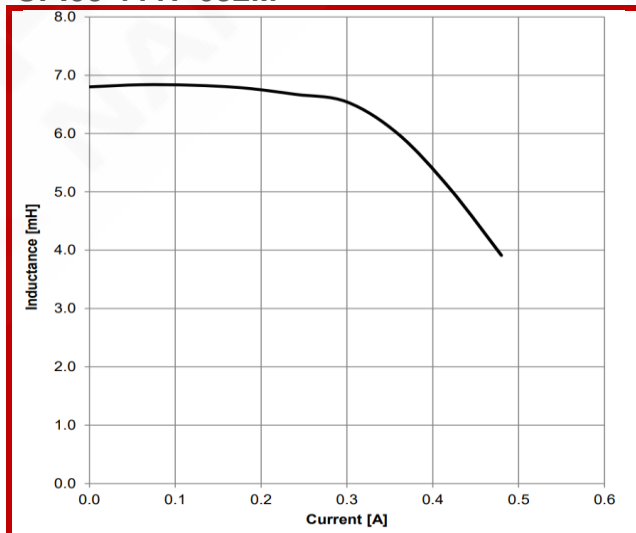
UPI05-1117-332M



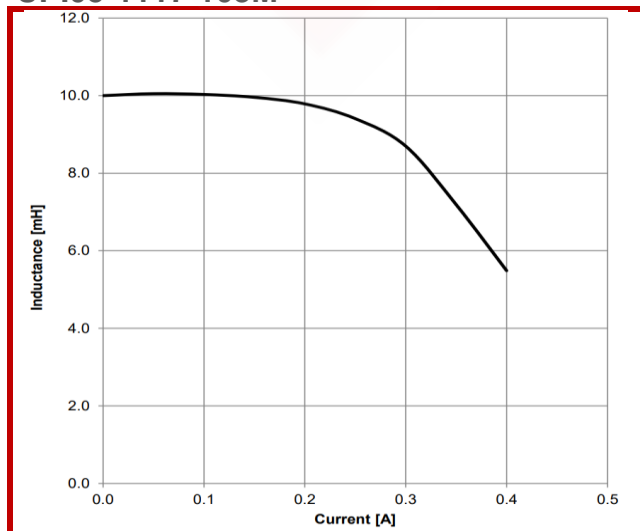
UPI05-1117-472M



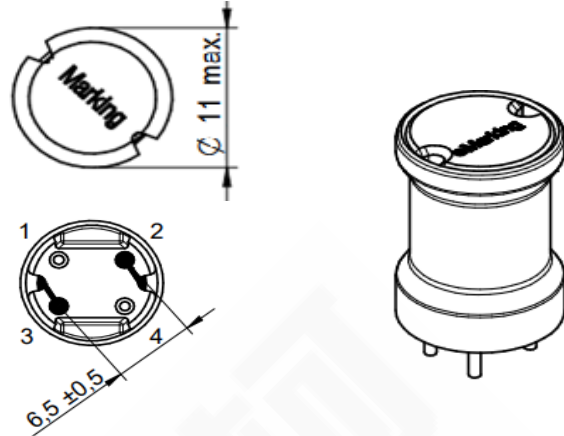
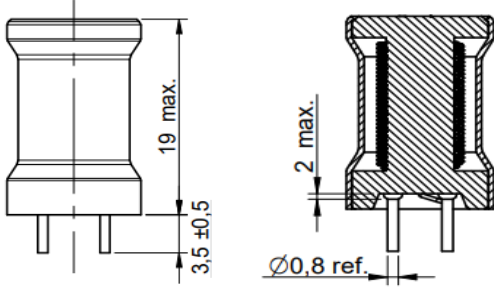
UPI05-1117-682M



UPI05-1117-103M



尺寸 Dimension (mm)



焊盘推荐 Land Pattern Recommended (mm)

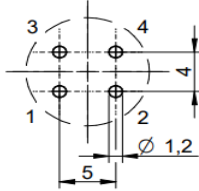


示意图 Schematics



产品尺寸 Product Dimension

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r max 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	袋子数量 Plastic Bag Qty pcs
UPI05-1119-101M	100 ±20%	2.60	0.09	3.10	100
UPI05-1119-221M	220 ±20%	1.75	0.20	2.10	100
UPI05-1119-331M	330 ±20%	1.40	0.29	1.75	100
UPI05-1119-471M	470 ±20%	1.20	0.41	1.50	100
UPI05-1119-681M	680 ±20%	1.00	0.58	1.20	100
UPI05-1119-102M	1,000 ±20%	0.80	0.86	1.00	100
UPI05-1119-222M	2,200 ±20%	0.54	1.90	0.70	100
UPI05-1119-332M	3,300 ±20%	0.43	2.80	0.55	100
UPI05-1119-472M	4,700 ±20%	0.36	4.00	0.47	100
UPI05-1119-682M	6,800 ±20%	0.30	5.75	0.39	100
UPI05-1119-103M	10,000 ±20%	0.25	8.50	0.32	100

测试状态

Test Condition

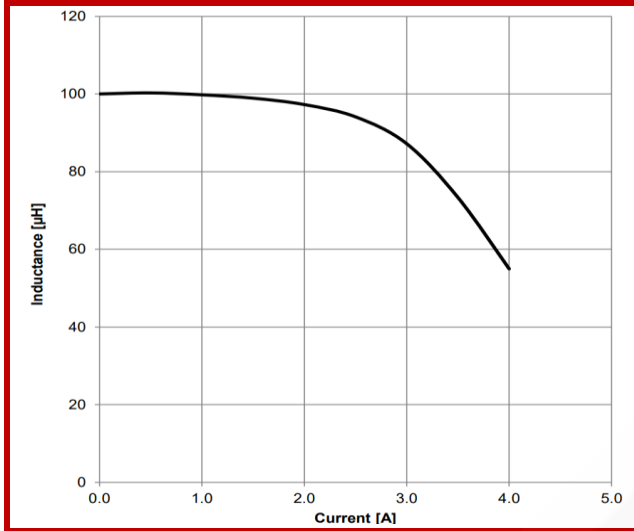
- ☆ 电感测试条件为 100 kHz/ 5.0 mA
Inductance measure condition at 100 kHz/ 5.0 mA
- ☆ 工作温度: -40°C ~ +125°C
Operating Temperature: -40°C ~ +125°C
- ☆ 饱和电流: 电感值下降其初始值的10%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 10% of initial value



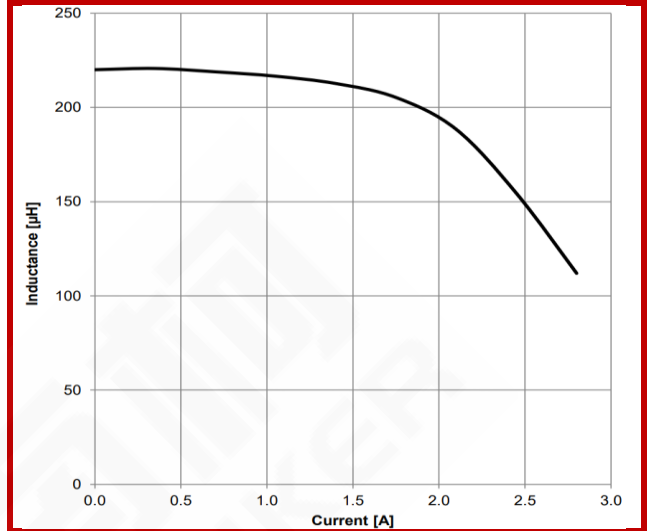
典型电感与电流特性

Typical Inductance vs. Current Characteristics

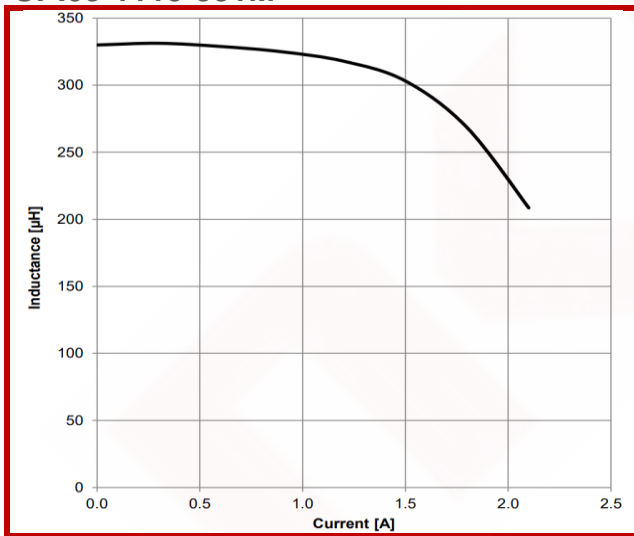
UPI05-1119-101M



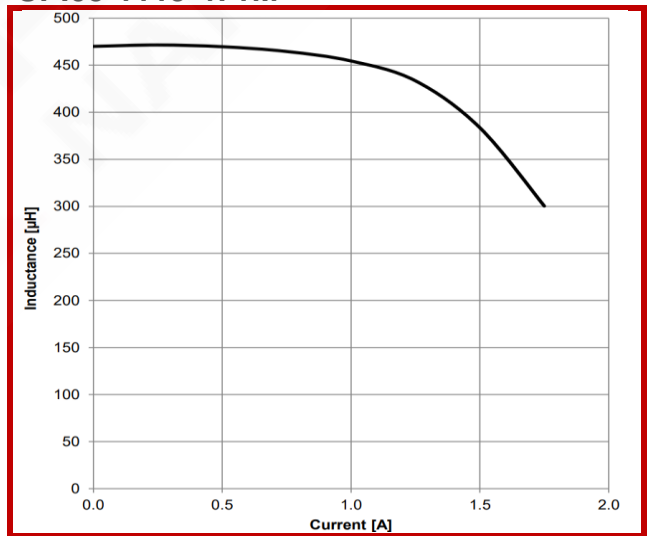
UPI05-1119-221M



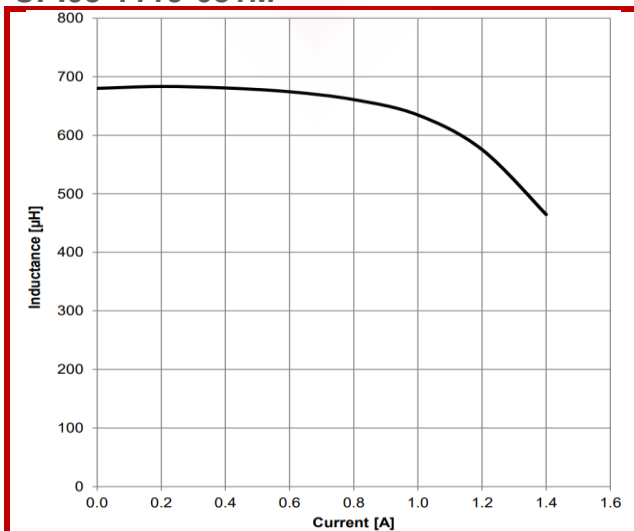
UPI05-1119-331M



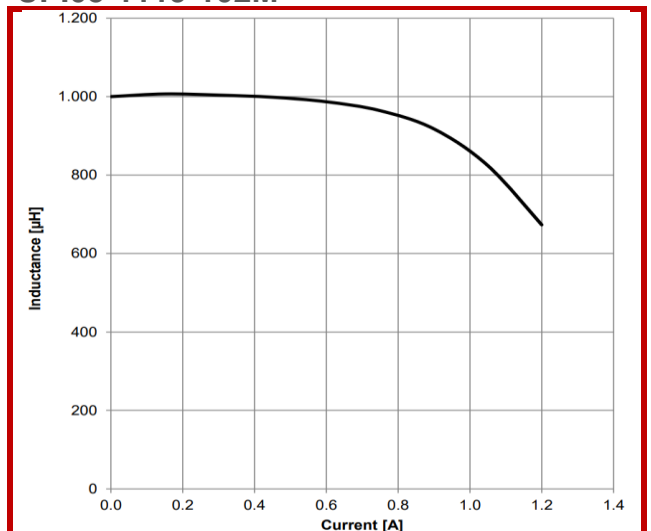
UPI05-1119-471M



UPI05-1119-681M



UPI05-1119-102M

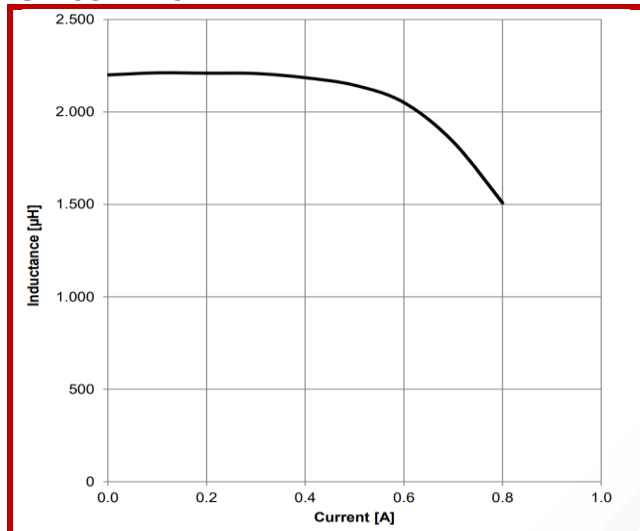




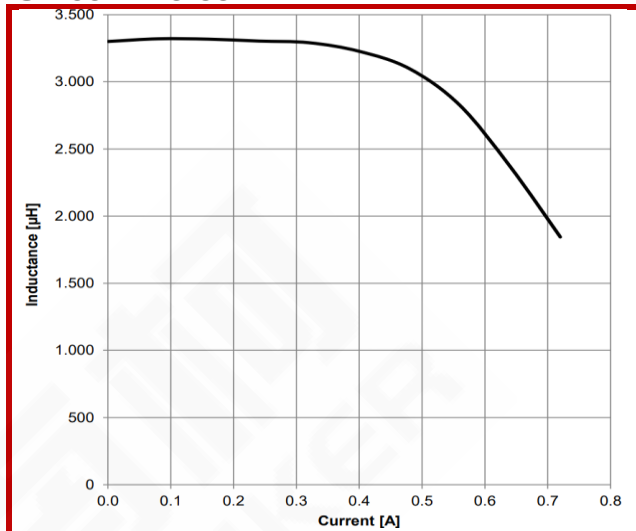
典型电感与电流特性

Typical Inductance vs. Current Characteristics

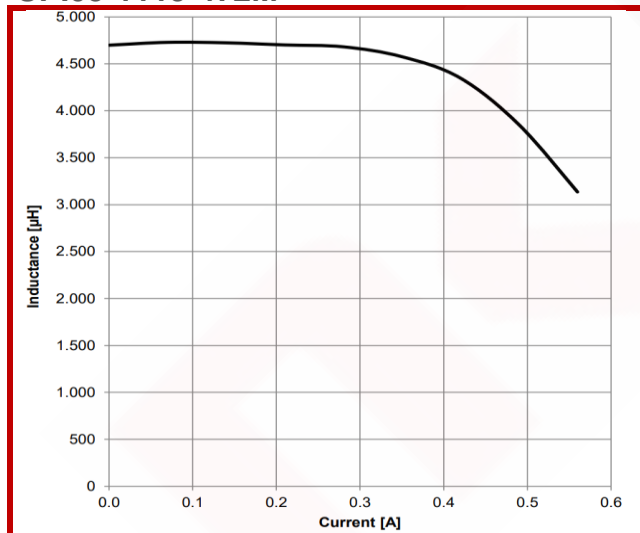
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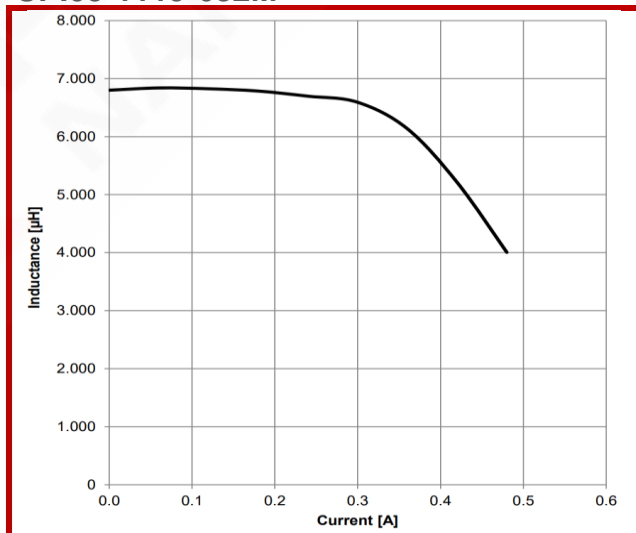
UPI05-1119-332M



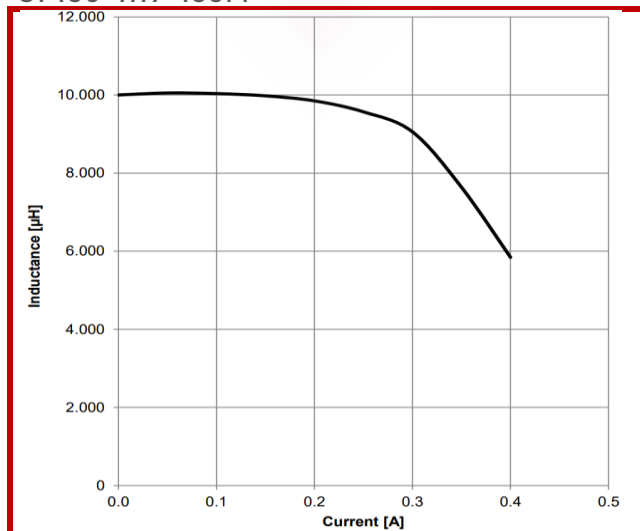
UPI05-1119-472M



UPI05-1119-682M



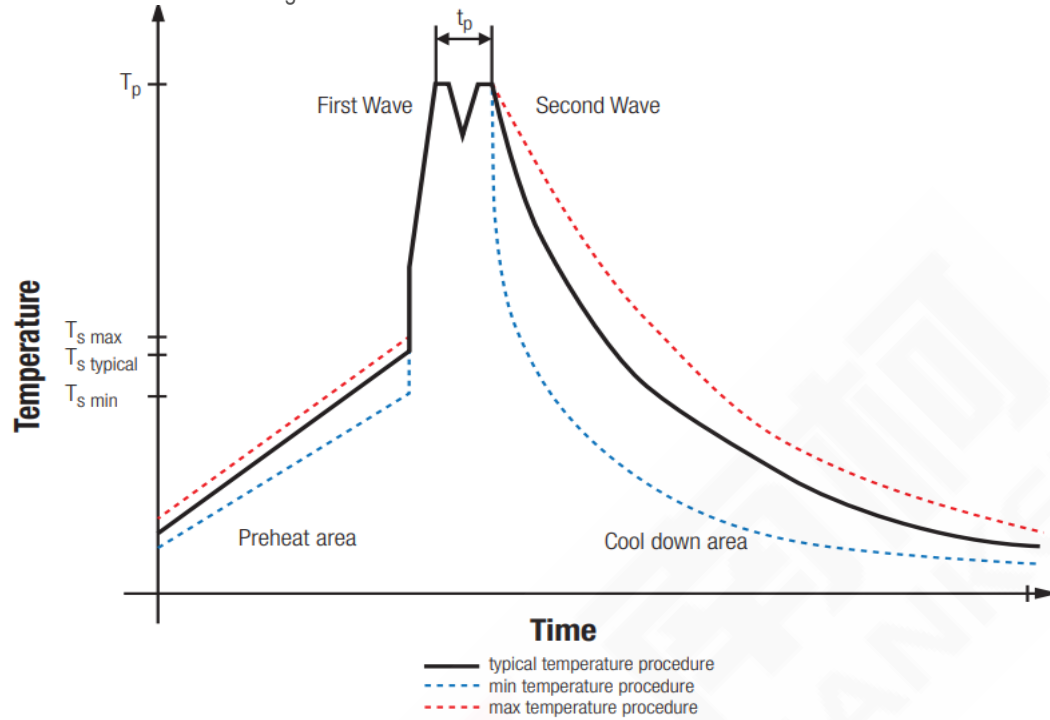
UPI05-1119-103M





波峰焊线图

Classification Wave Soldering Profile



封装体峰值温度(T_p)分类

Classification Reflow Soldering Profile:

Profile Feature		Pb-Free Assembly	Sn-Pb Assembly
Preheat Temperature Mn	T_{smin}	100°C	100°C
Preheat Temperature Typical	$T_{stypical}$	120°C	120°C
Preheat Temperature Max	T_{smax}	130°C	130°C
Preheat Time t_s from T_{smin} to T_{smax}	t_s	70 seconds	70 seconds
Ramp-up Rate	ΔT	150°Cmax	150°Cmax
Peak Temperature	T_p	250°C~260°C	235°C~260°C
Time of actual peak temperature	t_p	max. 10 seconds max. 5 seconds each wave	max. 10 seconds max. 5 seconds each wave
Ramp-down Rate, Mn		~2K/seconds	~2K/seconds
Ramp-down Rate, Typical		~3.5K/seconds	~3.5K/seconds
Ramp-down Rate, Max		5K/seconds	5K/seconds
Time 25°C to 25°C		4 minutes	4 minutes

* 波峰焊参照标准EN61760-1:2006。

Wave Soldering is refer to standard EN61760-1:2006