

开磁路功率电感

Unshielded Power Inductor (CD Type SMD)



特性

Characteristics

高电感值下的低公差

Low tolerances at high inductance values

饱和电流高达14A

Saturation currents up to 14 A

工作温度: -40°C至+125°C

Operating temperature: -40 °C to +125 °C

应用

Application

低工作电压开关调节器 (图形卡、嵌入式PC卡、主板)

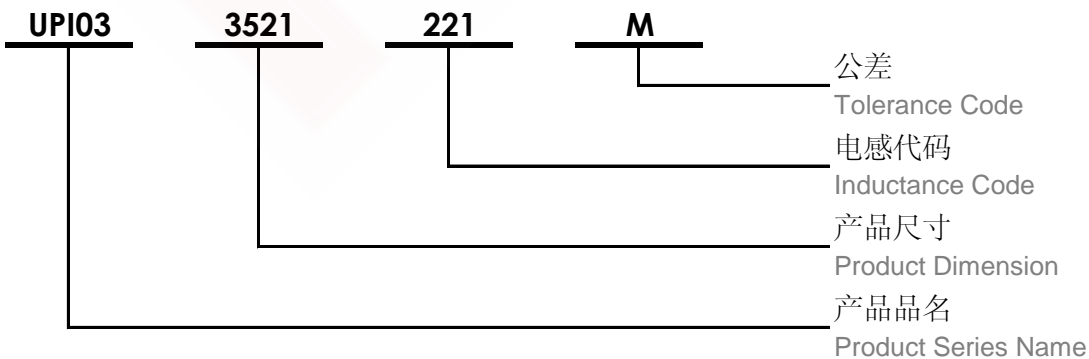
Switching regulators with low operating voltages (graphic cards, embedded PC-Cards, mainboards)

MHz频率范围衰减最小

Optimal attenuation in MHz frequency range

产品品名介绍

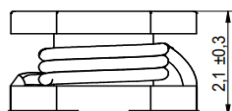
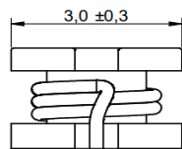
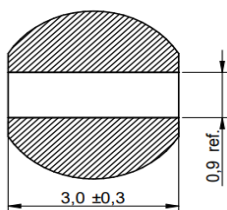
Product Number Structure





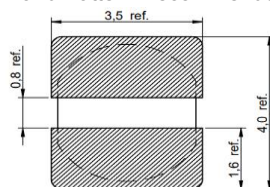
尺寸

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 max 40°C (A)	直流电阻 DC Resistance DCR _{typ} (Ω)	饱和电流 Saturation Current I _{sat typ} (A)	卷盘数量 Taping Reel Qty. pcs
UPI03-3521-1R0M	1.00 ±20%	2.55	0.039	3.70	3,000
UPI03-3521-1R5M	1.50 ±20%	0.66	0.054	3.05	3,000
UPI03-3521-2R2M	2.20 ±20%	0.64	0.070	2.54	3,000
UPI03-3521-3R3M	3.30 ±20%	0.62	0.091	2.09	3,000
UPI03-3521-4R7M	4.70 ±20%	0.60	0.125	1.77	3,000
UPI03-3521-6R8M	6.80 ±20%	0.58	0.170	1.47	3,000
UPI03-3521-100M	10.00 ±20%	0.54	0.237	1.23	3,000
UPI03-3521-150M	15.00 ±20%	0.49	0.347	1.01	3,000
UPI03-3521-220M	22.00 ±20%	0.44	0.561	0.84	3,000
UPI03-3521-330M	33.00 ±20%	0.42	0.778	0.70	3,000
UPI03-3521-470M	47.00 ±20%	0.39	1.110	0.59	3,000
UPI03-3521-680M	68.00 ±20%	0.32	1.570	0.49	3,000
UPI03-3521-101M	100.00 ±20%	0.39	2.420	0.41	3,000

测试状态

Test Condition

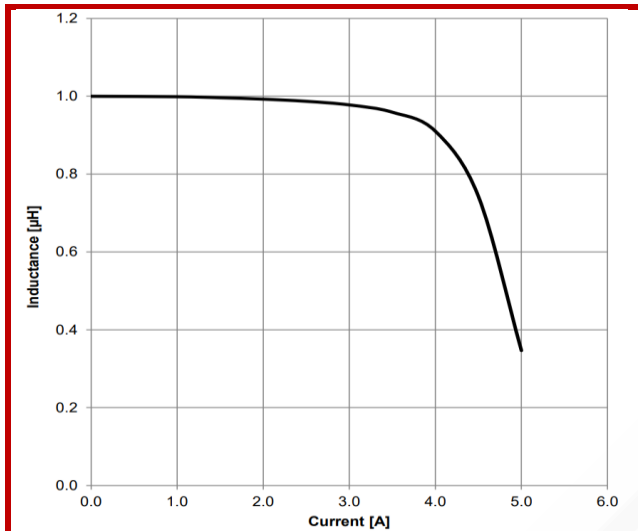
- ☆ 电感测试条件为 100 kHz/ 5.0 mA
Inductance measure condition at 100 kHz/ 5.0 mA
- ☆ 工作温度: -40°C ~ +125°C
Operating Temperature: -40°C ~ +125°C
- ☆ 饱和电流: 电感值下降其初始值的10%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 10% of initial value



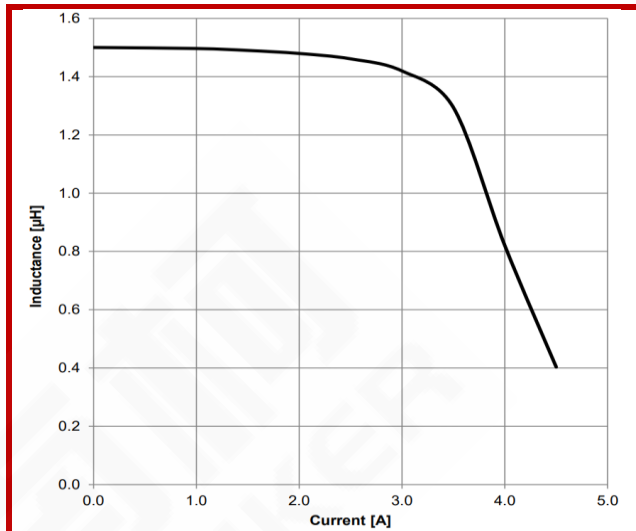
典型电感与电流特性

Typical Inductance vs. Current Characteristics

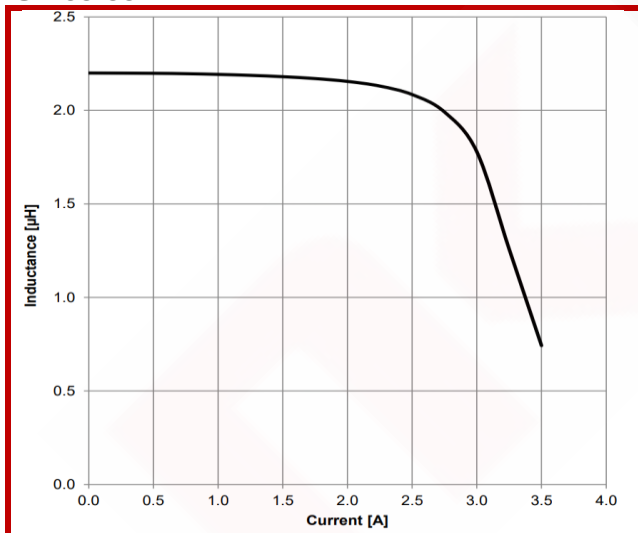
UPI03-3521-1R0M



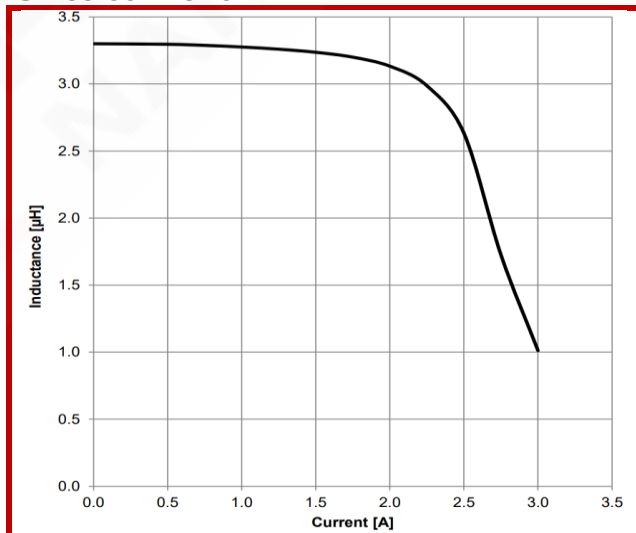
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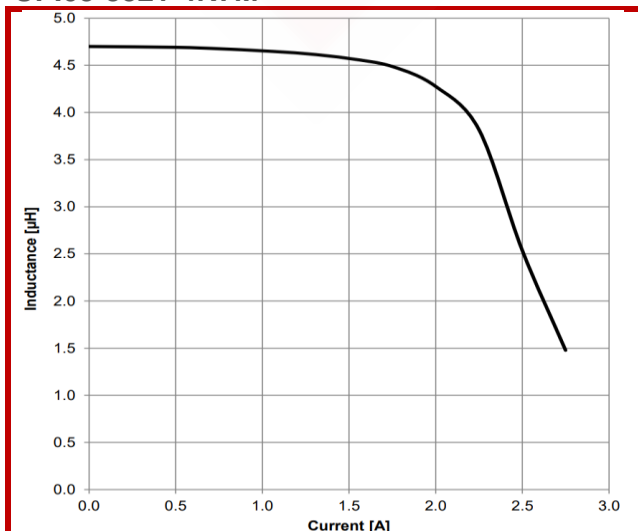
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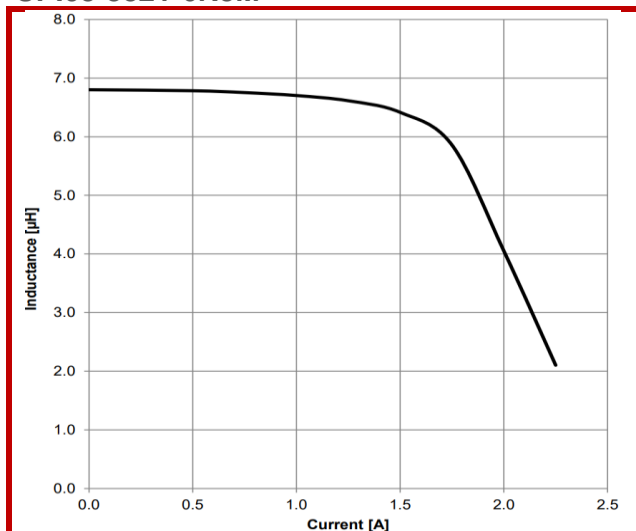
UPI03-3521-3R3M

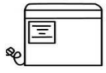


UPI03-3521-4R7M



UPI03-3521-6R8M

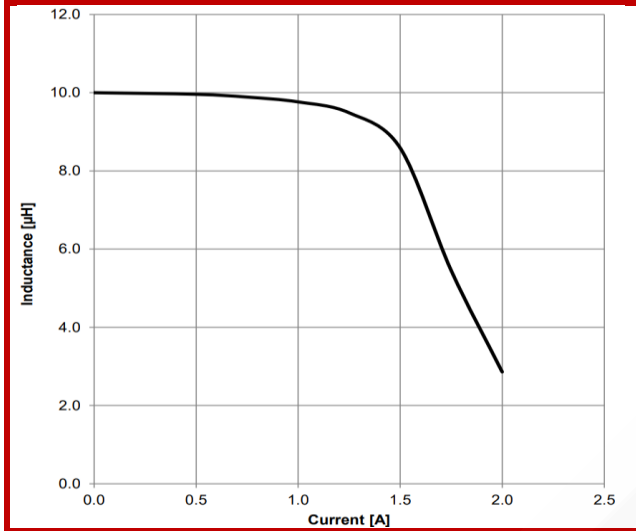




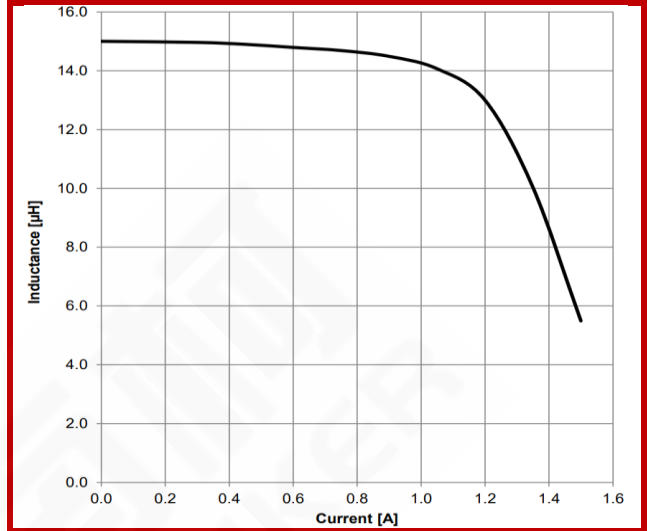
典型电感与电流特性

Typical Inductance vs. Current Characteristics

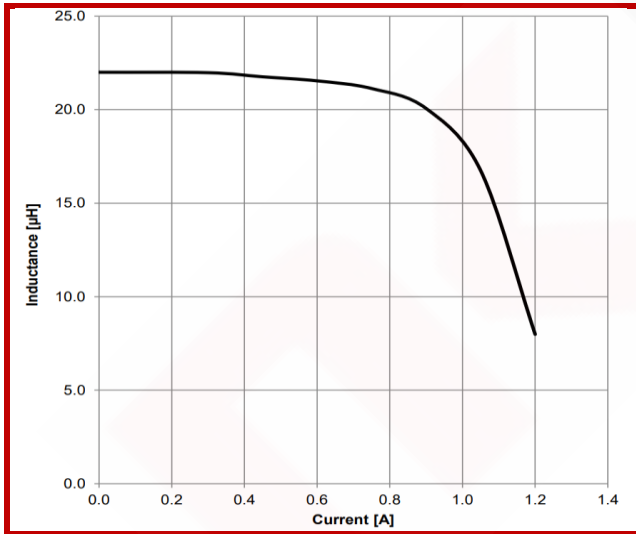
UPI03-3521-100M



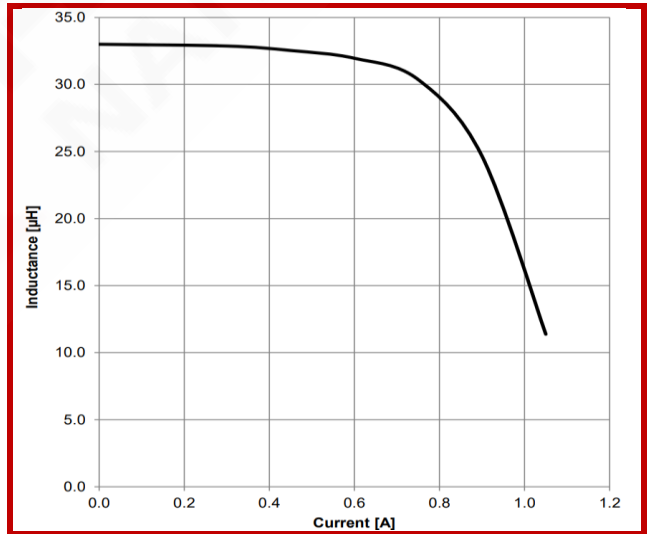
UPI03-3521-150M



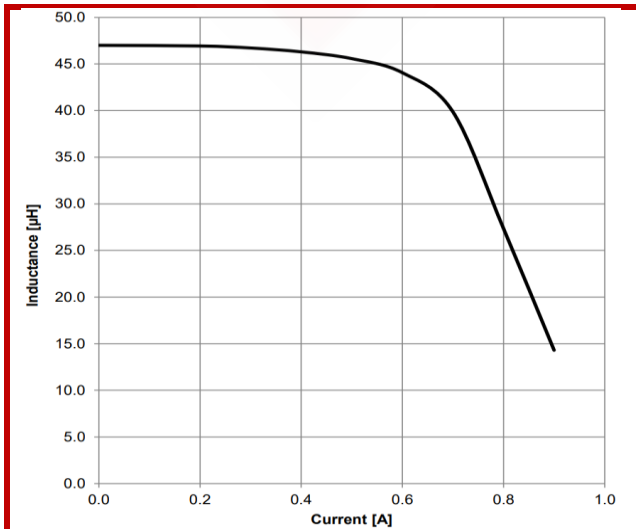
UPI03-3521-220M



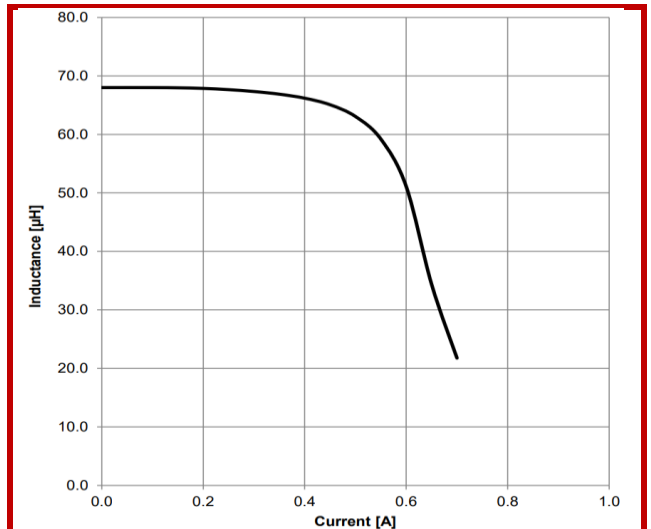
UPI03-3521-330M



UPI03-3521-470M



UPI03-3521-680M

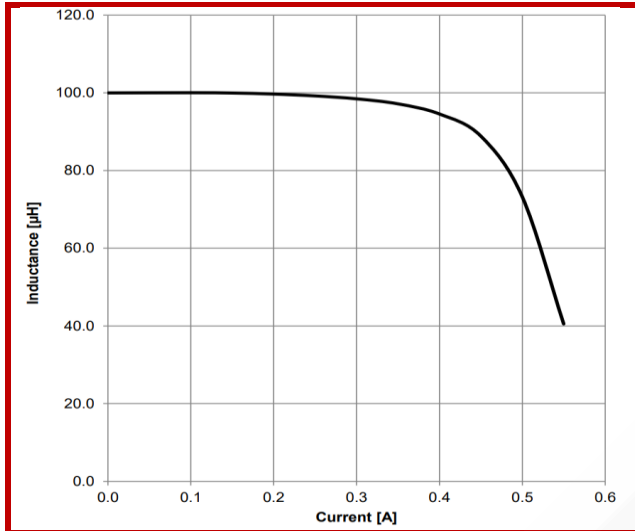




典型电感与电流特性

Typical Inductance vs. Current Characteristics

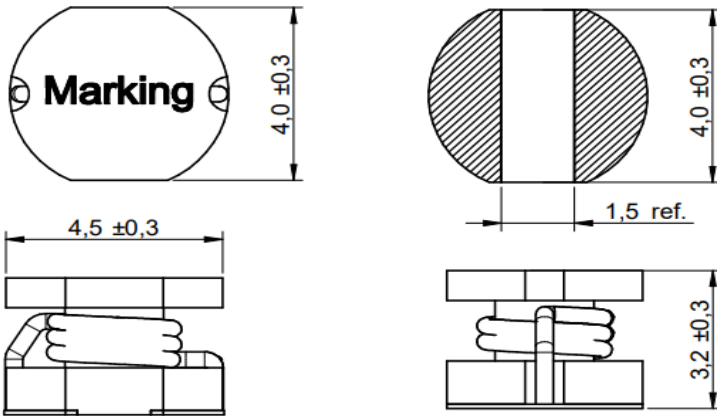
UPI03-3521-101M





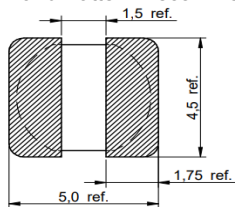
尺寸

Dimension (mm)



焊盘推荐

Land Pattern Recommended (mm)



示意图

Schematics



电性特性

Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _R max 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	卷盘数量 Taping Reel Qty. pcs
UPI03-4532-1R0M	1.00 ±20%	4.00	0.049	5.72	1,500
UPI03-4532-1R4M	1.40 ±20%	3.40	0.056	5.04	1,500
UPI03-4532-1R8M	1.80 ±20%	2.70	0.064	3.60	1,500
UPI03-4532-2R2M	2.20 ±20%	2.50	0.071	3.38	1,500
UPI03-4532-2R7M	2.70 ±20%	2.25	0.079	2.97	1,500
UPI03-4532-3R3M	3.30 ±20%	2.00	0.086	2.88	1,500
UPI03-4532-3R9M	3.90 ±20%	1.88	0.094	2.57	1,500
UPI03-4532-4R7M	4.70 ±20%	1.82	0.110	2.45	1,500
UPI03-4532-5R6M	5.60 ±20%	1.58	0.125	2.43	1,500
UPI03-4532-6R8M	6.80 ±20%	1.54	0.131	2.10	1,500
UPI03-4532-8R2M	8.20 ±20%	1.50	0.146	1.80	1,500

测试状态

Test Condition

☆ 电感测试条件为 10 kHz/ 100 mV

Inductance measure condition at 1.0 MHz/ 100mV

☆ 工作温度: -40°C ~ +125°C

Operating Temperature: -40°C ~ +125°C

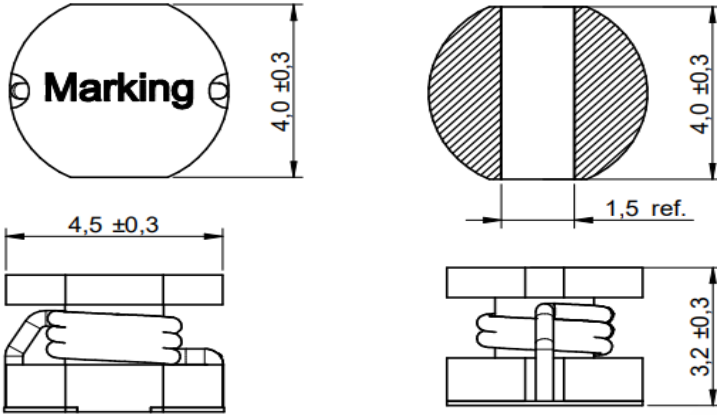
☆ 饱和电流: 电感值下降其初始值的10%时所加载的实际直流电流值

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



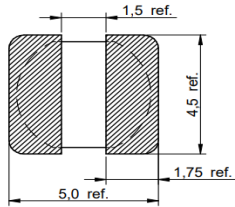
尺寸

Dimension (mm)



焊盘推荐

Land Pattern Recommended (mm)



示意图

Schematics



电性特性

Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _R max 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	卷盘数量 Taping Reel Qty. pcs
UPI03-4532-100M	10.00 ±20%	1.45	0.182	1.74	1,500
UPI03-4532-120M	12.00 ±20%	1.28	0.210	1.62	1,500
UPI03-4532-150M	15.00 ±20%	1.20	0.236	1.46	1,500
UPI03-4532-180M	18.00 ±20%	1.10	0.338	1.29	1,500
UPI03-4532-220M	22.00 ±20%	1.00	0.370	1.22	1,500
UPI03-4532-270M	27.00 ±20%	0.94	0.522	1.00	1,500
UPI03-4532-330M	33.00 ±20%	0.86	0.540	0.90	1,500
UPI03-4532-390M	39.00 ±20%	0.77	0.587	0.87	1,500
UPI03-4532-470M	47.00 ±20%	0.68	0.844	0.77	1,500
UPI03-4532-560M	56.00 ±20%	0.64	0.937	0.75	1,500
UPI03-4532-680M	68.00 ±20%	0.56	1.117	0.68	1,500

测试状态

Test Condition

☆ 电感测试条件为 10 kHz/ 100 mV

Inductance measure condition at 1.0 MHz/ 100mV

☆ 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

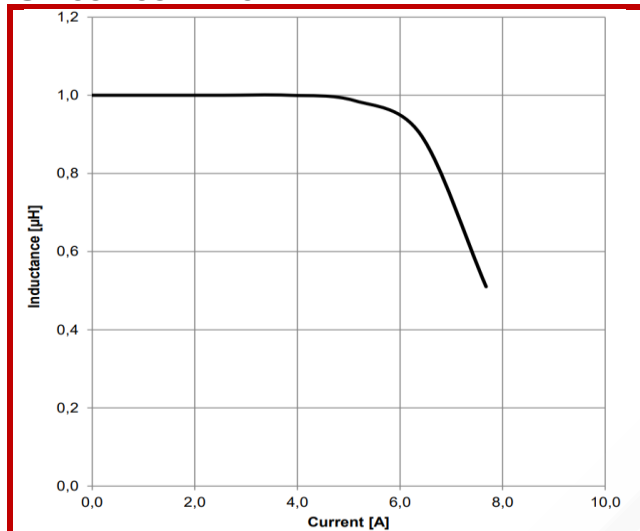
Saturation Current: The actual value of DC current when the inductance drop 10% of initial value



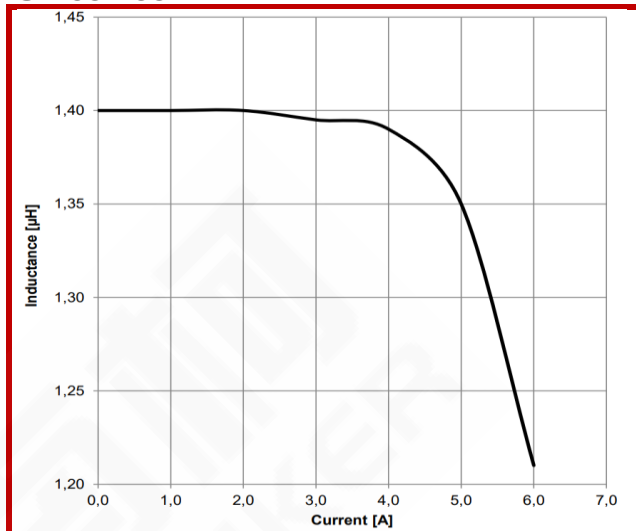
典型电感与电流特性

Typical Inductance vs. Current Characteristics

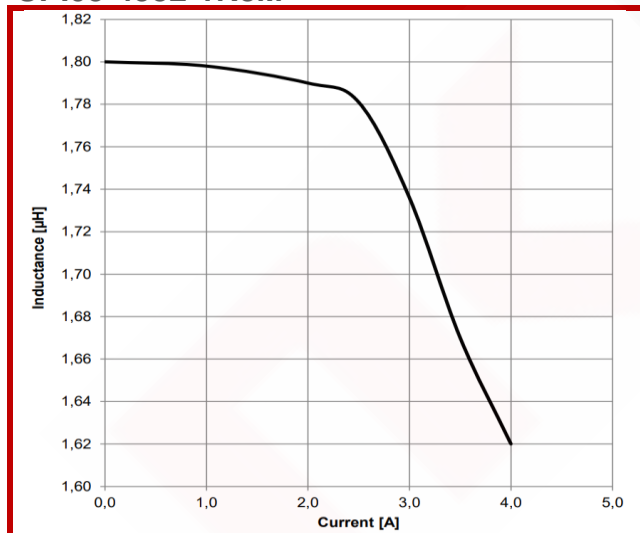
UPI03-4532-1R0M



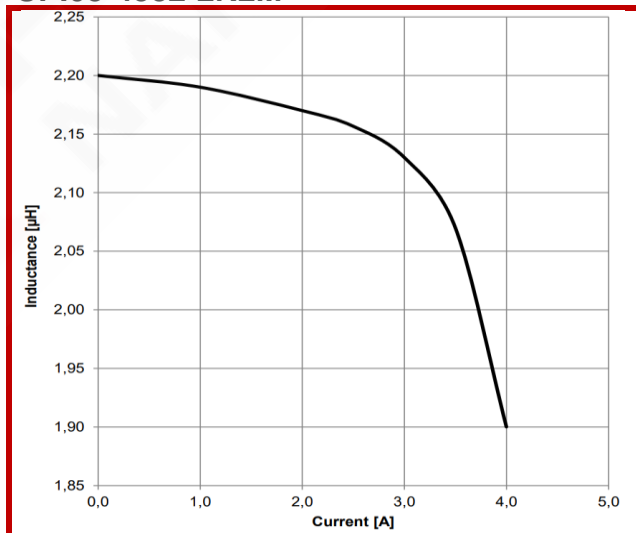
UPI03-4532-1R4M



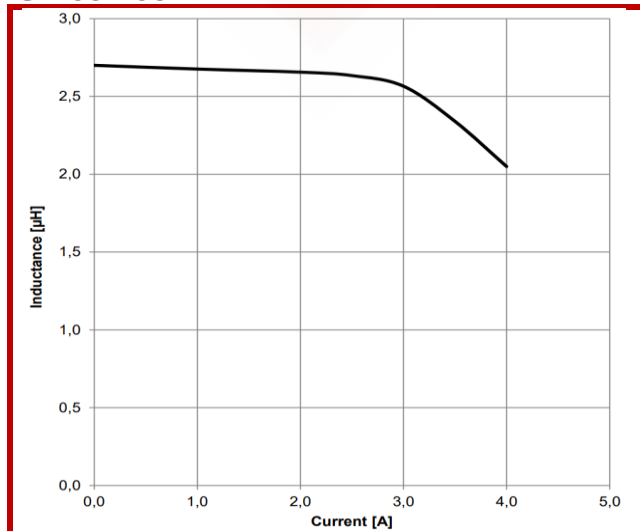
UPI03-4532-1R8M



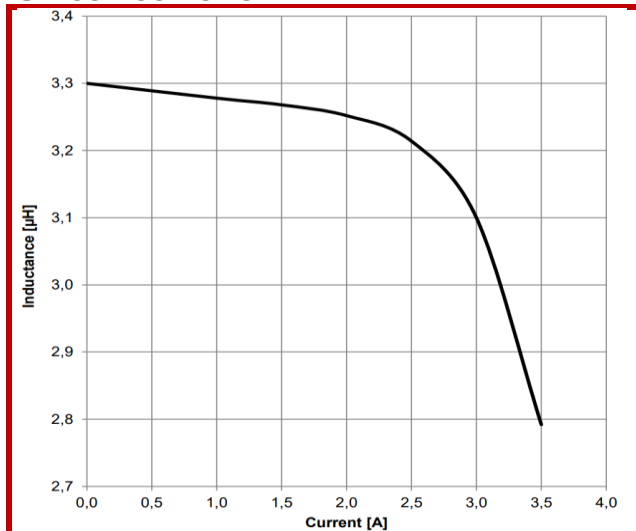
UPI03-4532-2R2M



UPI03-4532-2R7M



UPI03-4532-3R3M

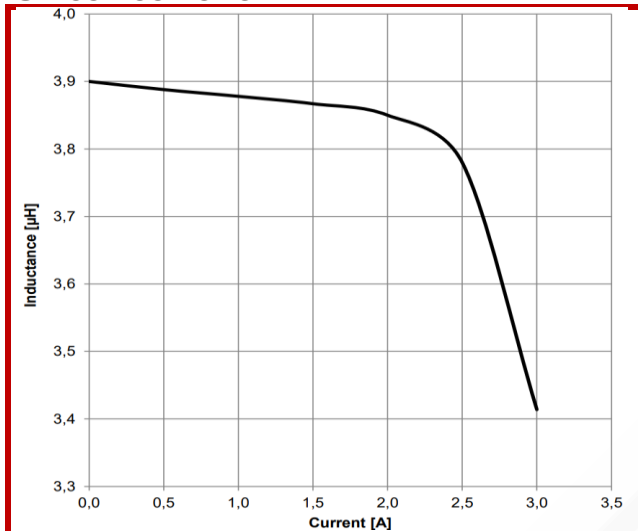




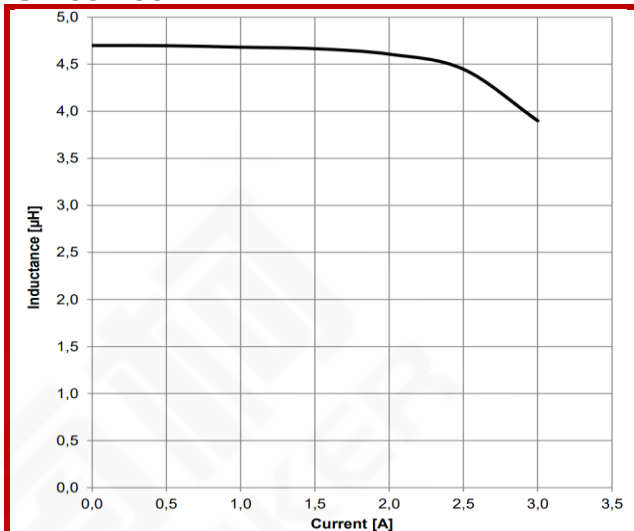
典型电感与电流特性

Typical Inductance vs. Current Characteristics

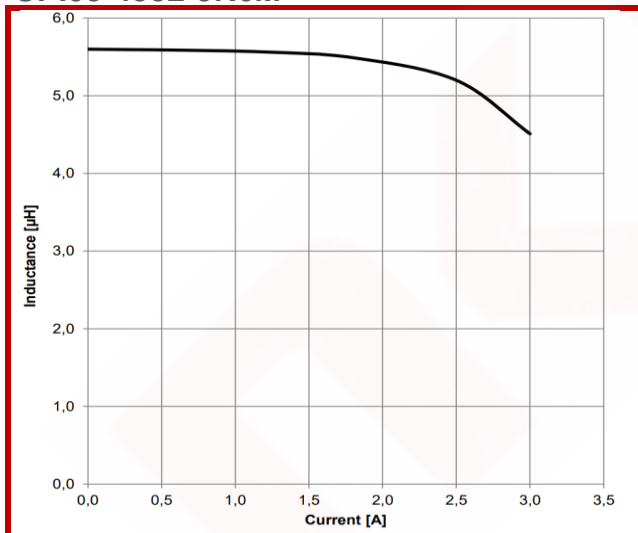
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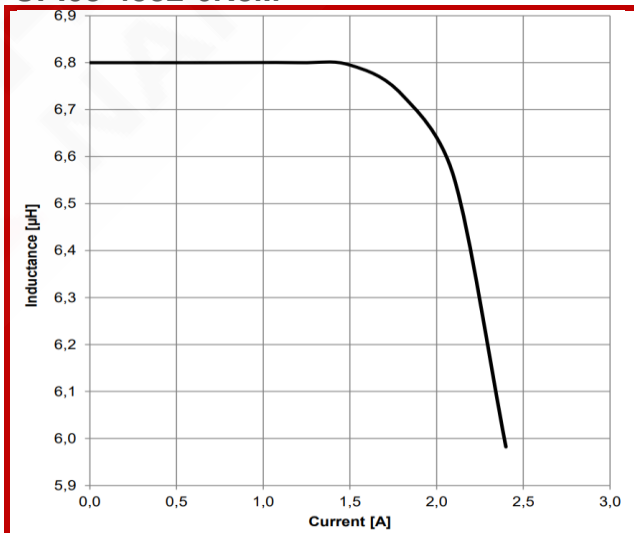
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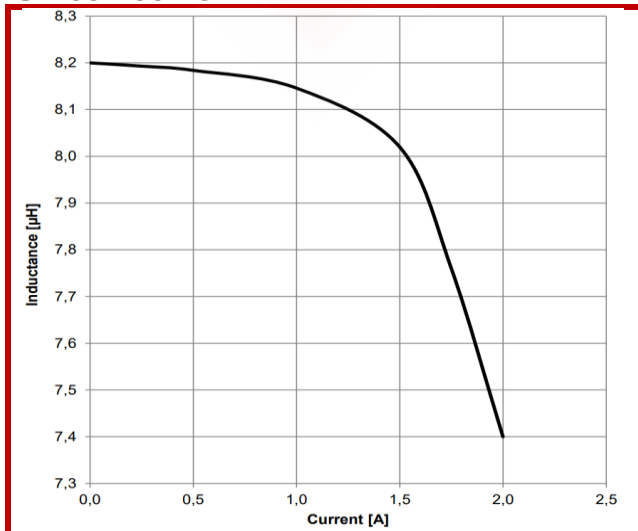
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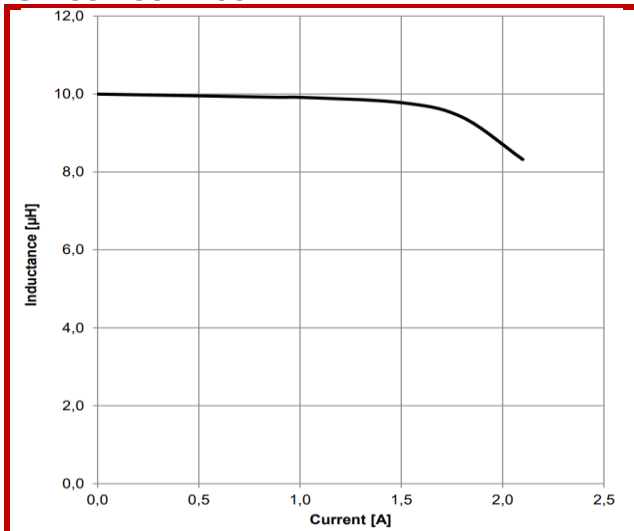
UPI03-4532-6R8M



UPI03-4532-8R2M



UPI03-4532-100M

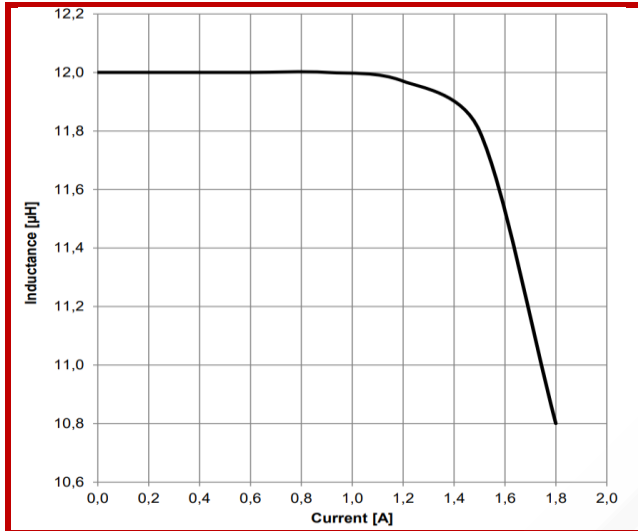




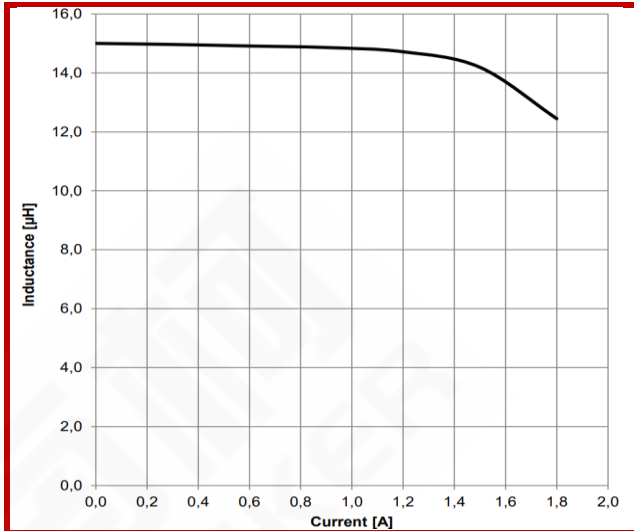
典型电感与电流特性

Typical Inductance vs. Current Characteristics

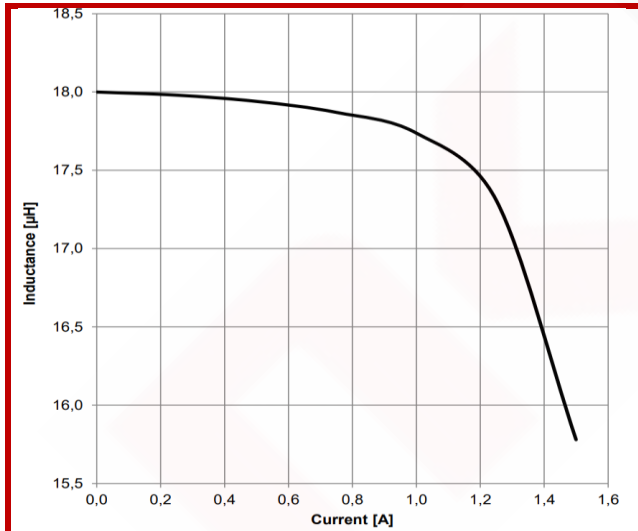
UPI03-4532-120M



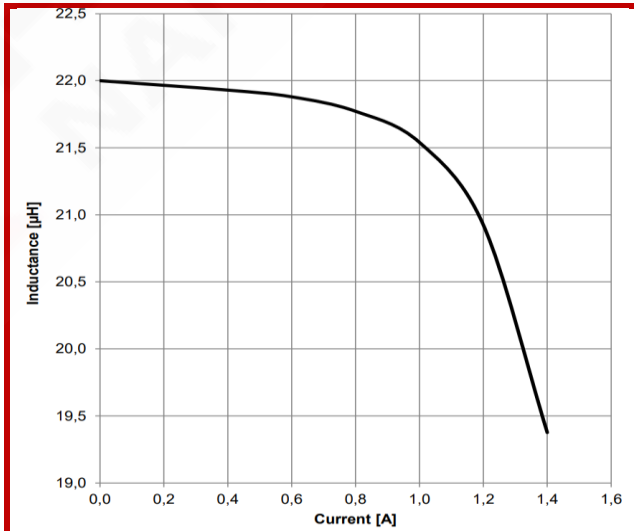
UPI03-4532-150M



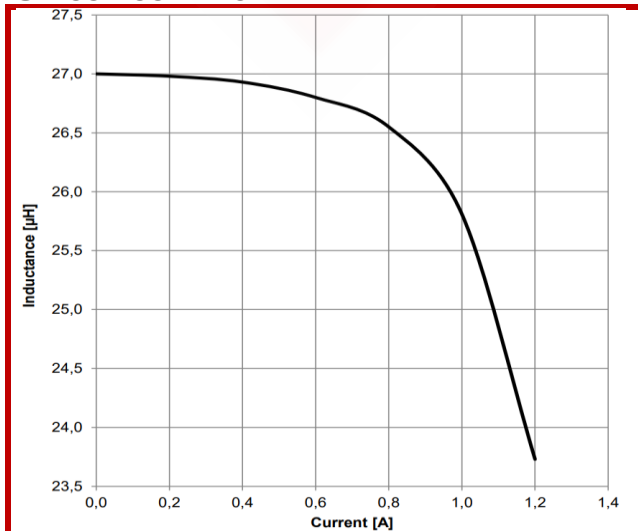
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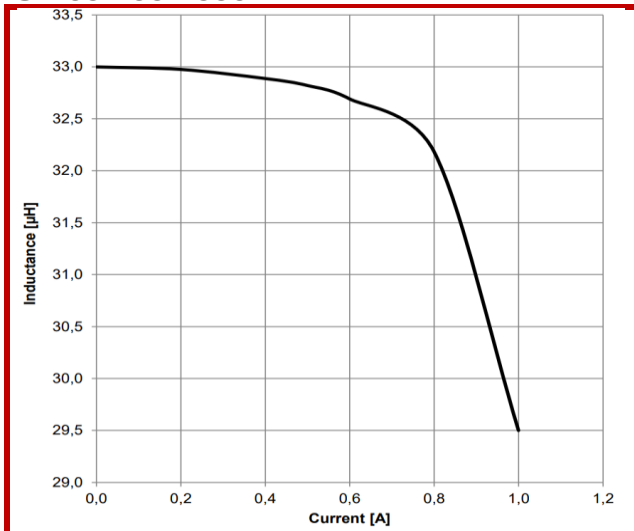
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UPI03-4532-270M



UPI03-4532-330M

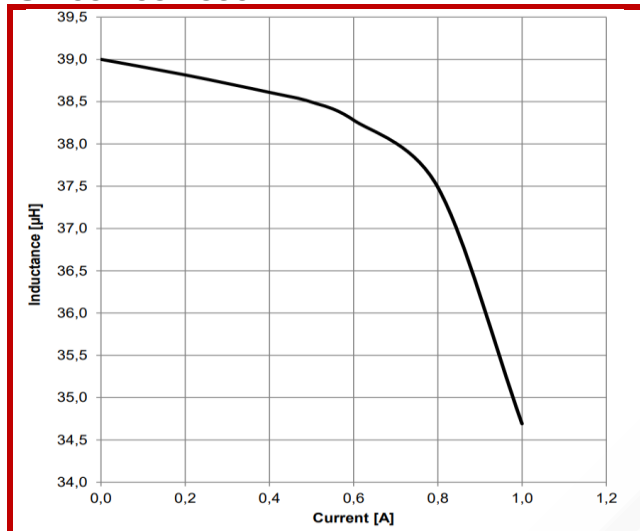




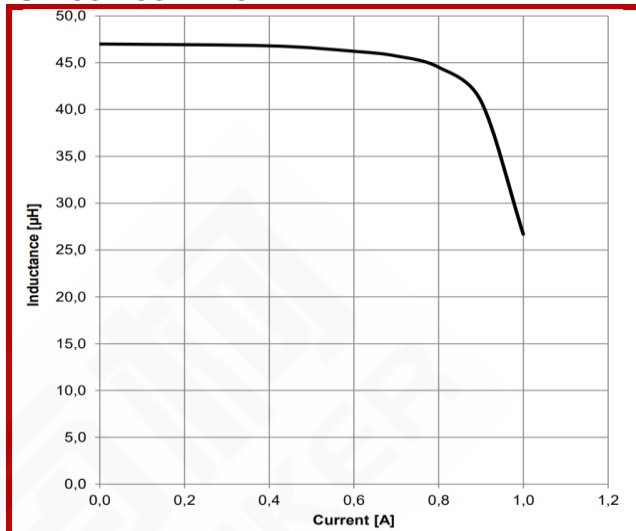
典型电感与电流特性

Typical Inductance vs. Current Characteristics

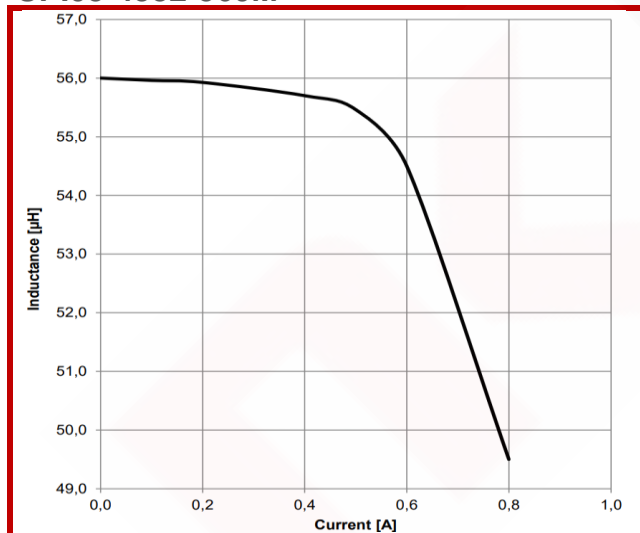
UPI03-4532-390M



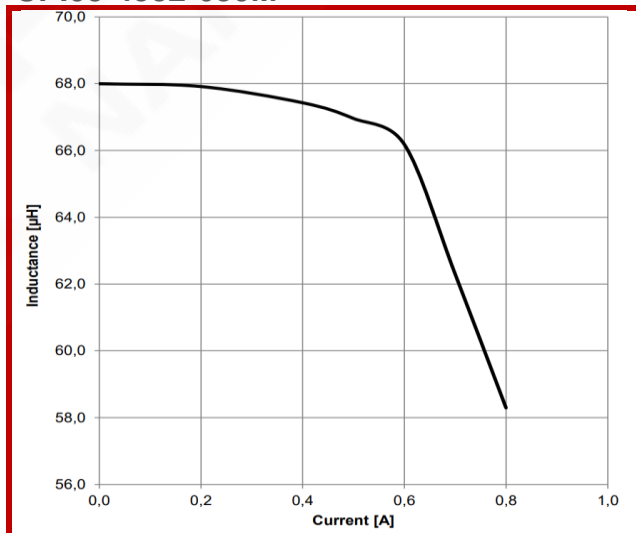
UPI03-4532-470M



UPI03-4532-560M



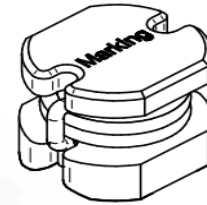
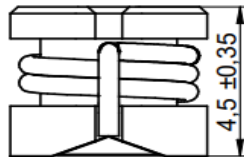
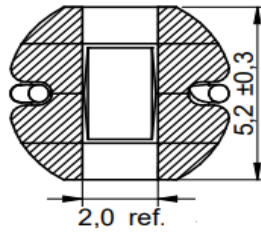
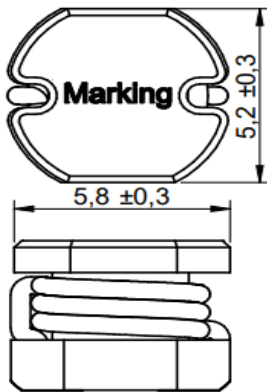
UPI03-4532-680M





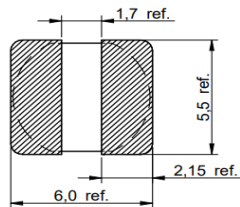
尺寸

Dimension (mm)



焊盘推荐

Land Pattern Recommended (mm)



示意图

Schematics



电性特性

Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _R max 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	卷盘数量 Taping Reel Qty. pcs
UPI03-5845-2R2M	2.20 ±20%	4.60	0.04	8.20	1,500
UPI03-5845-2R7M	2.70 ±20%	4.00	0.05	8.00	1,500
UPI03-5845-3R3M	3.30 ±20%	4.00	0.06	7.50	1,500
UPI03-5845-4R7M	4.70 ±20%	3.00	0.07	5.50	1,500
UPI03-5845-6R8M	6.80 ±20%	2.40	0.08	5.00	1,500
UPI03-5845-100M	10.00 ±20%	2.20	0.10	2.50	1,500
UPI03-5845-120M	12.00 ±20%	2.00	0.11	1.94	1,500
UPI03-5845-150M	15.00 ±20%	1.53	0.14	1.90	1,500
UPI03-5845-180M	18.00 ±20%	1.45	0.15	1.69	1,500
UPI03-5845-220M	22.00 ±20%	1.28	0.18	1.53	1,500
UPI03-5845-270M	27.00 ±20%	1.19	0.20	1.40	1,500

测试状态

Test Condition

☆ 电感测试条件为 10 kHz/ 100 mV

Inductance measure condition at 1.0 MHz/ 100mV

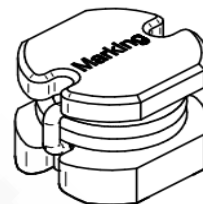
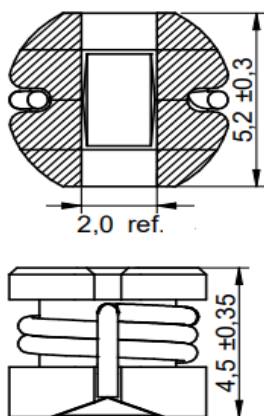
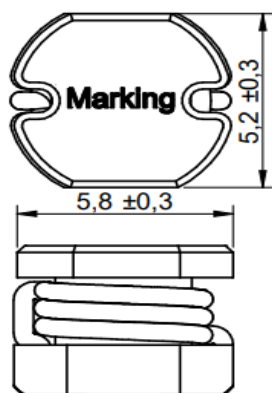
☆ 工作温度: -40°C ~ +125°C

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)

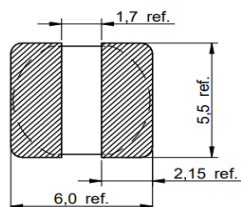


示意图 Schematics



电性特性 Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _R max 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	卷盘数量 Taping Reel Qty. pcs
UPI03-5845-330M	33.00 ±20%	1.09	0.23	1.17	1,500
UPI03-5845-390M	39.00 ±20%	0.94	0.32	1.10	1,500
UPI03-5845-470M	47.00 ±20%	0.86	0.37	1.00	1,500
UPI03-5845-560M	56.00 ±20%	0.77	0.42	0.90	1,500
UPI03-5845-680M	68.00 ±20%	0.64	0.46	0.86	1,500
UPI03-5845-820M	82.00 ±20%	0.60	0.60	0.72	1,500
UPI03-5845-101M	100.00 ±20%	0.57	0.65	0.68	1,500
UPI03-5845-121M	120.00 ±20%	0.49	0.93	0.63	1,500
UPI03-5845-151M	150.00 ±20%	0.46	1.10	0.54	1,500
UPI03-5845-181M	180.00 ±20%	0.42	1.37	0.50	1,500
UPI03-5845-221M	220.00 ±20%	0.42	1.57	0.47	1,500

测试状态

Test Condition

☆ 电感测试条件为 10 kHz/ 100 mV

Inductance measure condition at 1.0 MHz/ 100mV

☆ 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

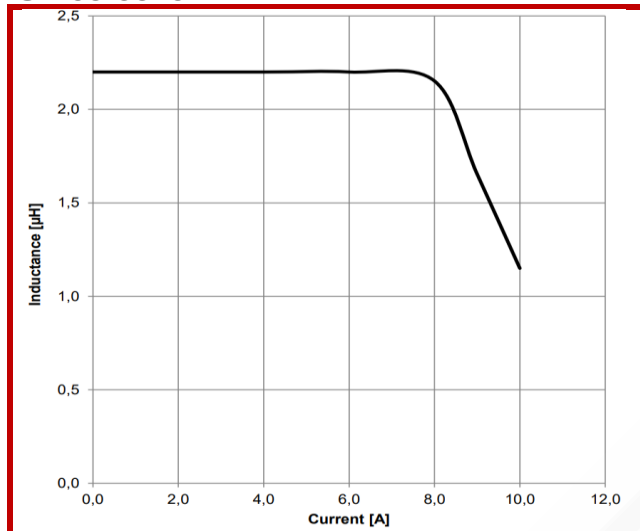
Saturation Current: The actual value of DC current when the inductance drop 10% of initial value



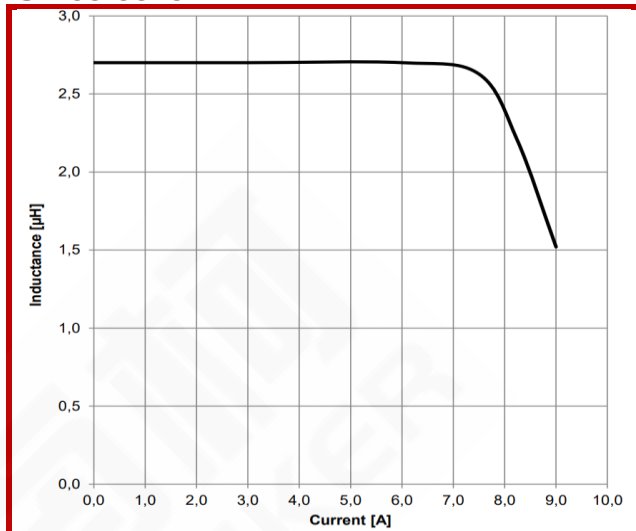
典型电感与电流特性

Typical Inductance vs. Current Characteristics

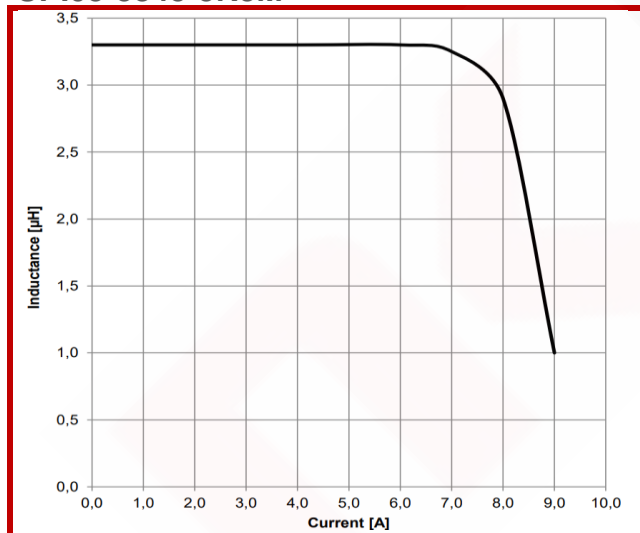
UPI03-5845-2R2M



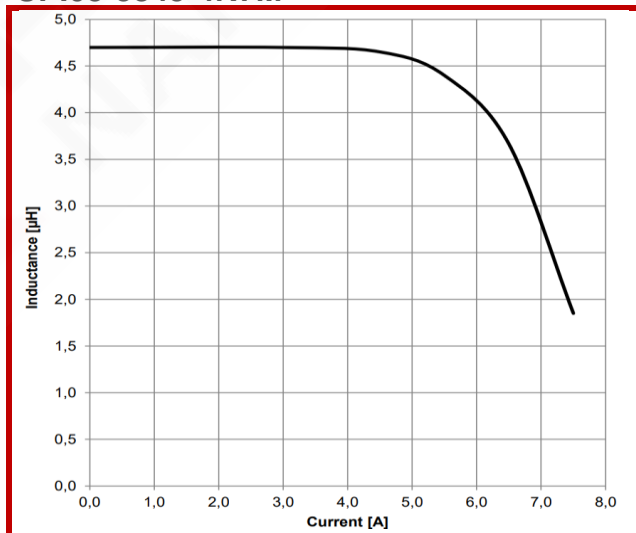
UPI03-5845-2R7M



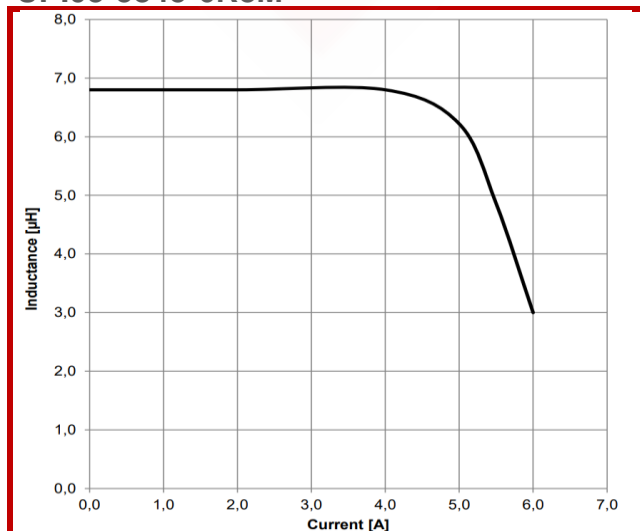
UPI03-5845-3R3M



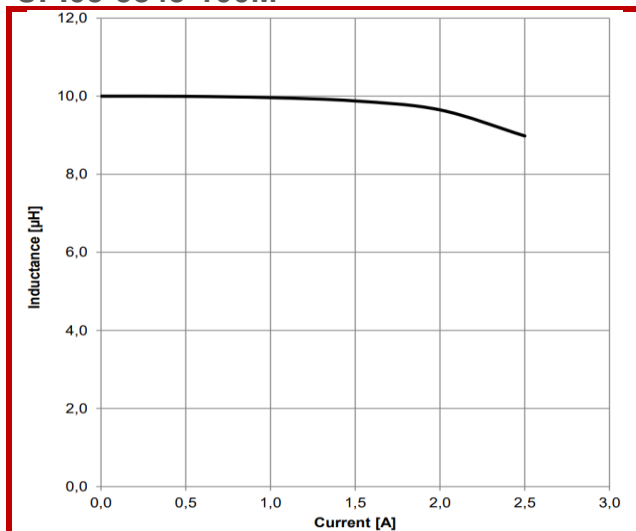
UPI03-5845-4R7M



UPI03-5845-6R8M



UPI03-5845-100M

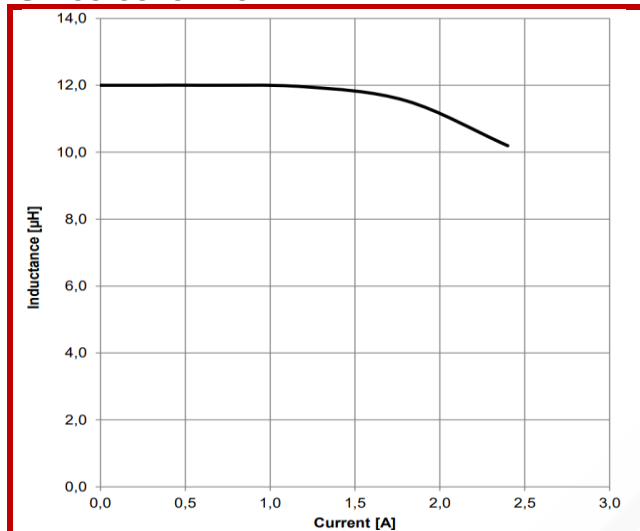




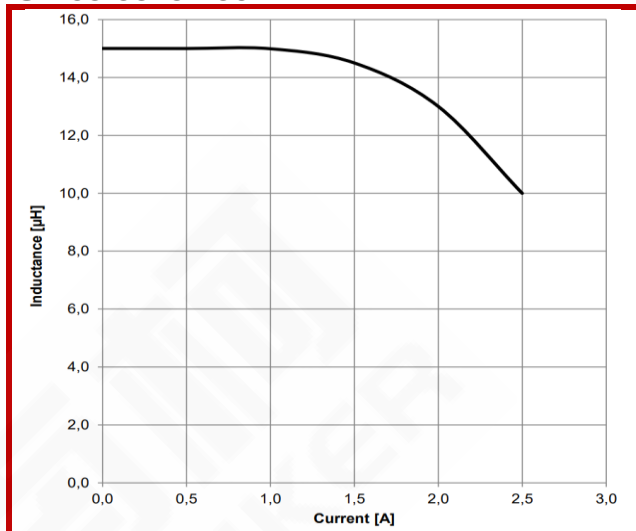
典型电感与电流特性

Typical Inductance vs. Current Characteristics

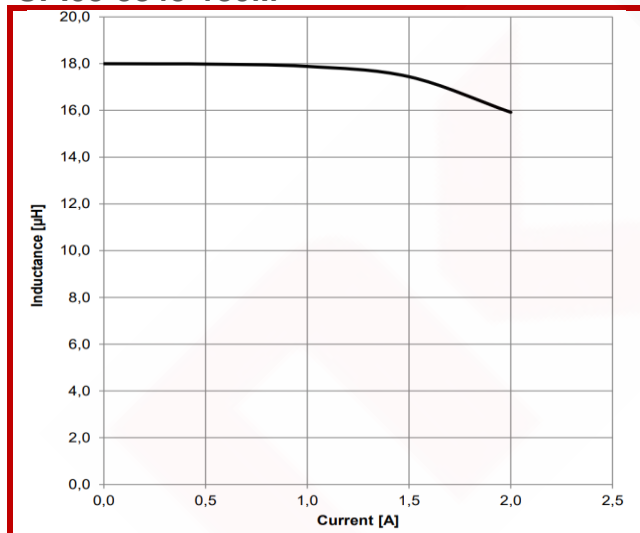
UPI03-5845-120M



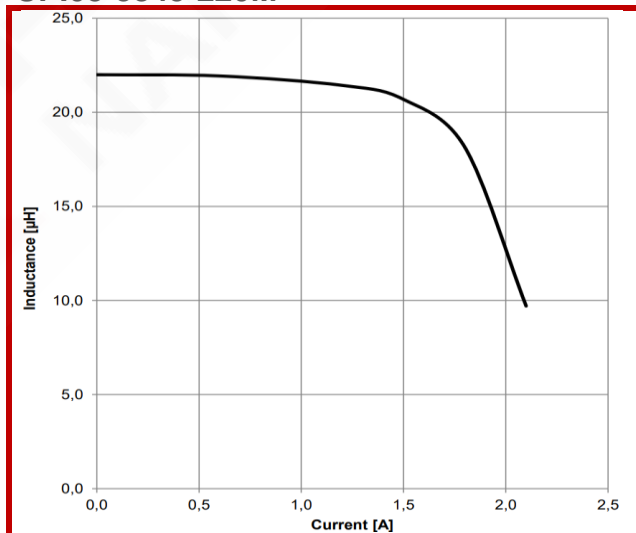
UPI03-5845-150M



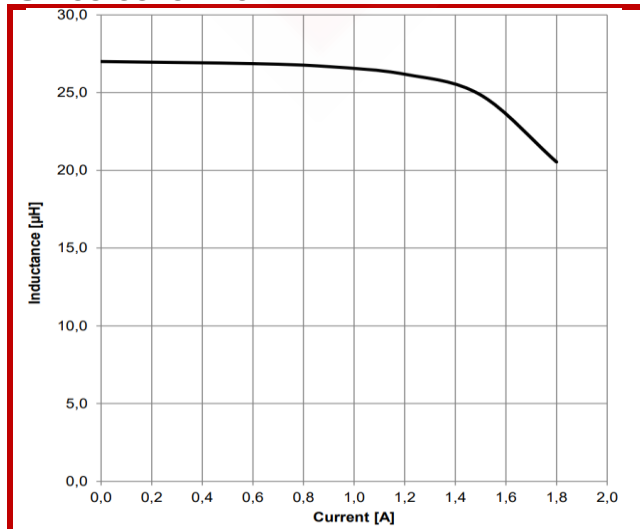
UPI03-5845-180M



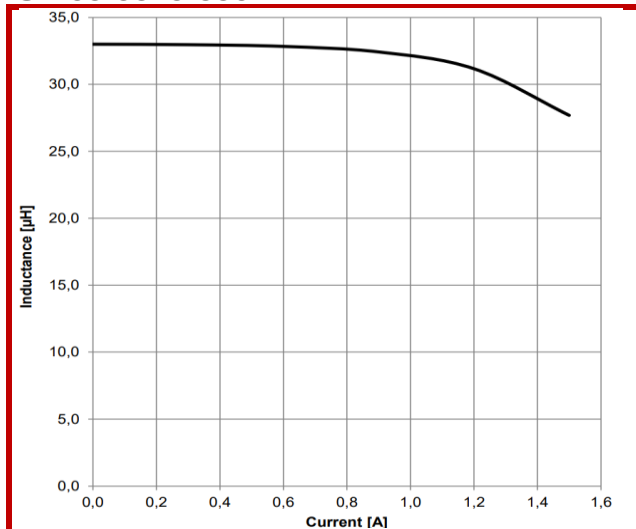
UPI03-5845-220M



UPI03-5845-270M



UPI03-5845-330M

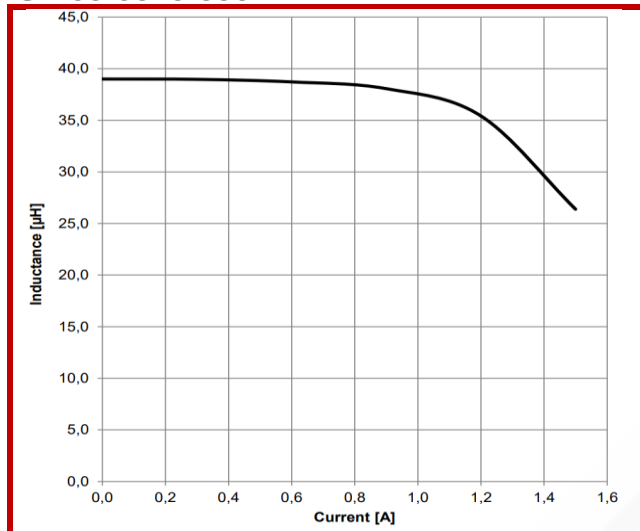




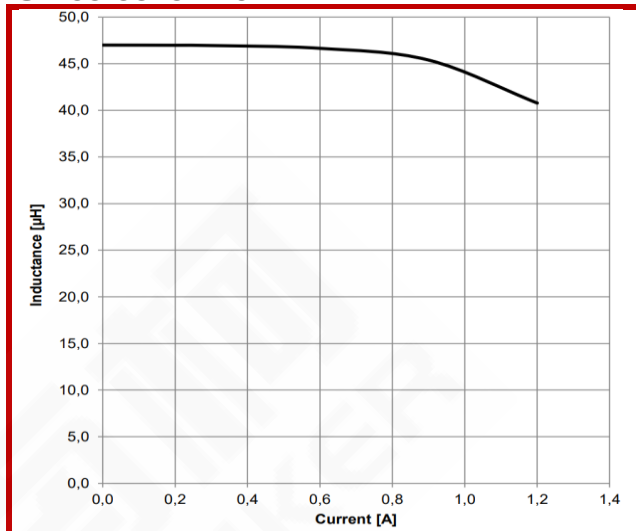
典型电感与电流特性

Typical Inductance vs. Current Characteristics

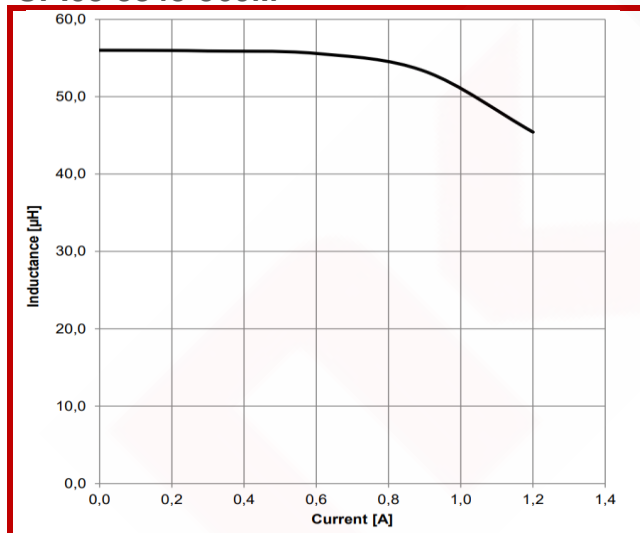
UPI03-5845-390M



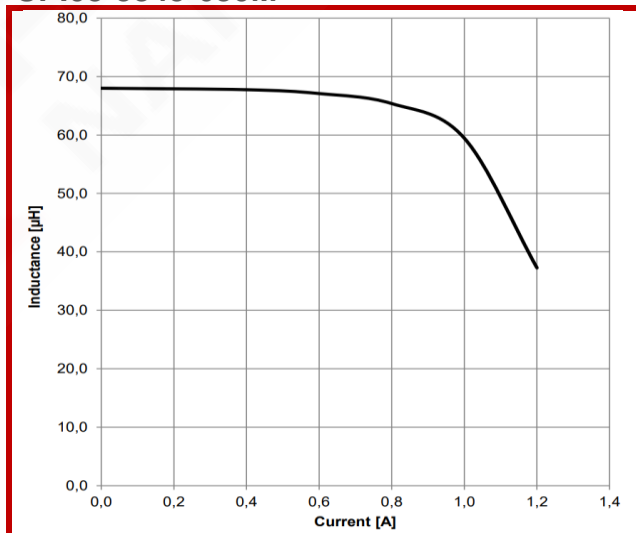
UPI03-5845-470M



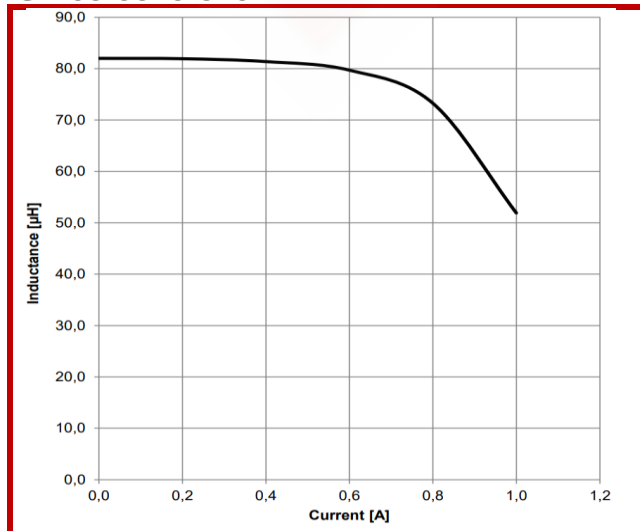
UPI03-5845-560M



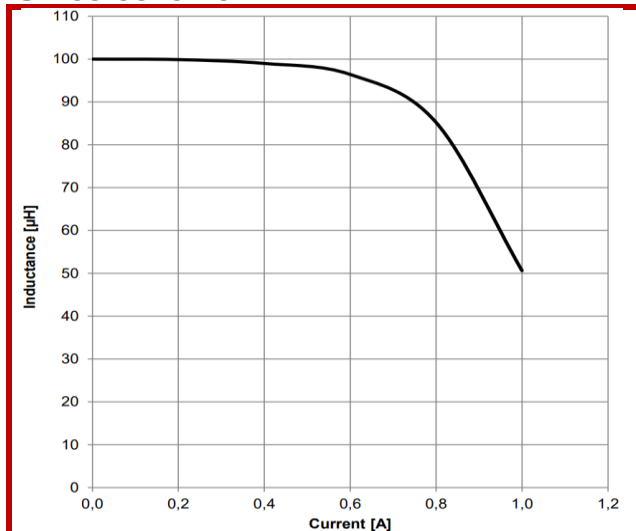
UPI03-5845-680M



UPI03-5845-820M



UPI03-5845-101M

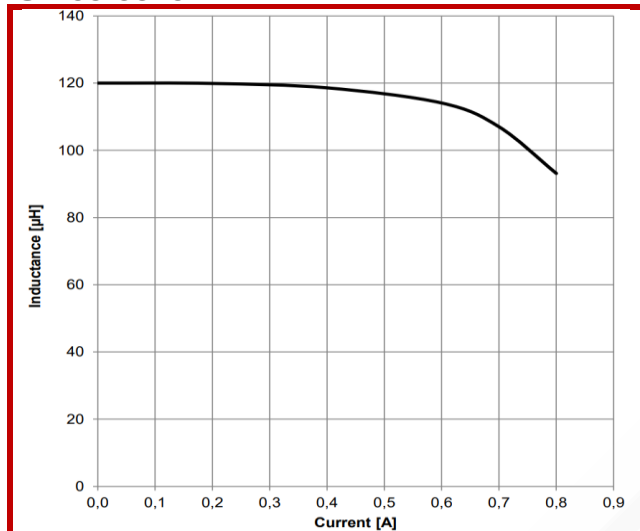




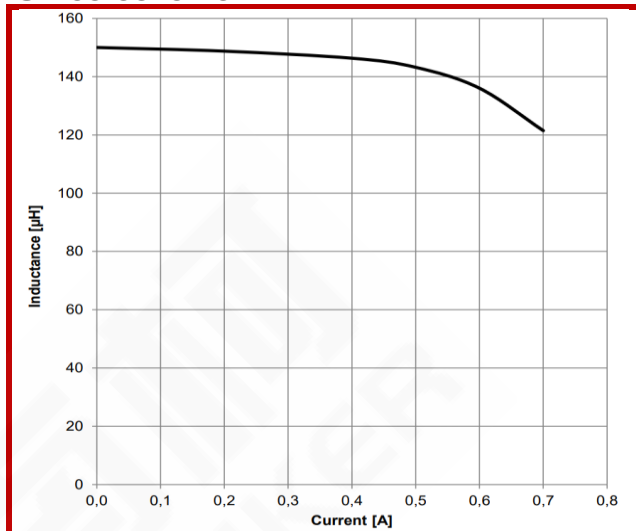
典型电感与电流特性

Typical Inductance vs. Current Characteristics

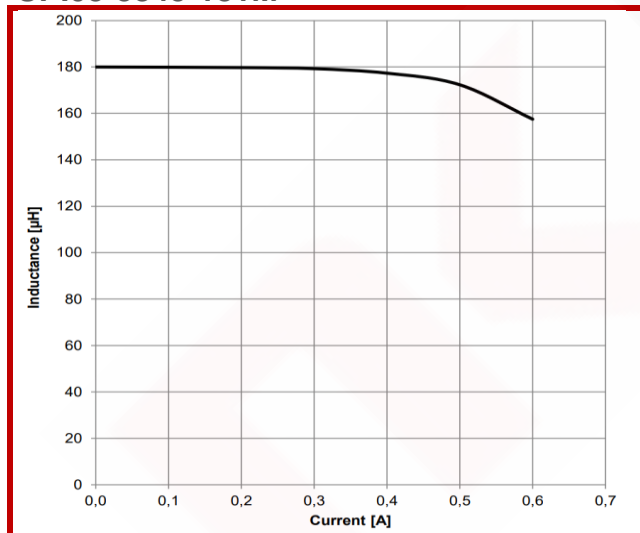
UPI03-5845-121M



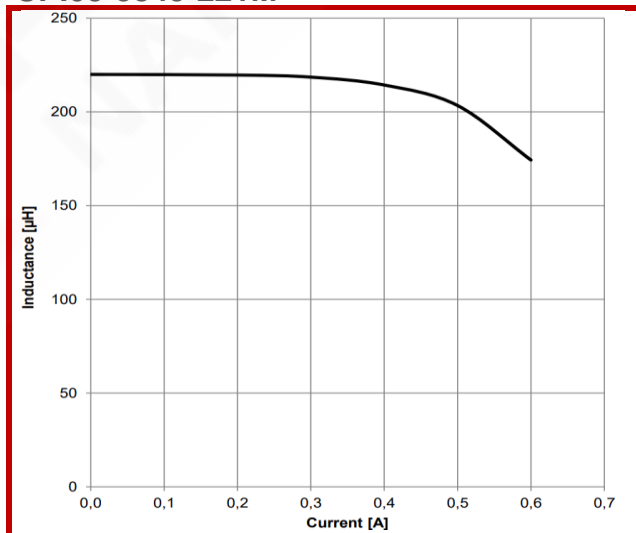
UPI03-5845-151M



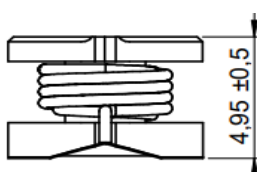
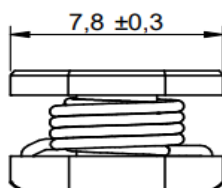
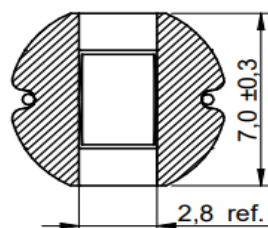
UPI03-5845-181M



UPI03-5845-221M



尺寸 Dimension (mm)



焊盘推荐 Land Pattern Recommended (mm)

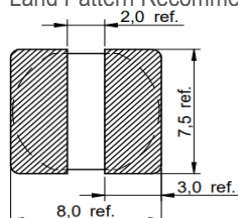


示意图 Schematics



电性特性 Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _R max 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	卷盘数量 Taping Reel Qty. pcs
UPI03-7850-100M	10.00 ±20%	2.30	0.07	2.95	500
UPI03-7850-120M	12.00 ±20%	2.18	0.08	2.20	500
UPI03-7850-150M	15.00 ±20%	1.93	0.09	2.23	500
UPI03-7850-180M	18.00 ±20%	1.89	0.10	2.14	500
UPI03-7850-220M	22.00 ±20%	1.76	0.11	1.81	500
UPI03-7850-270M	27.00 ±20%	1.48	0.12	1.62	500
UPI03-7850-330M	33.00 ±20%	1.35	0.13	1.47	500
UPI03-7850-390M	39.00 ±20%	1.25	0.16	1.33	500
UPI03-7850-470M	47.00 ±20%	1.17	0.18	1.24	500
UPI03-7850-560M	56.00 ±20%	1.04	0.24	1.14	500
UPI03-7850-680M	68.00 ±20%	0.99	0.28	1.05	500

测试状态

Test Condition

☆ 电感测试条件为 10 kHz/ 100 mV

Inductance measure condition at 1.0 MHz/ 100mV

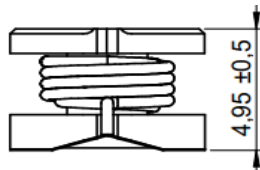
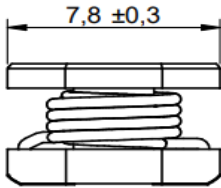
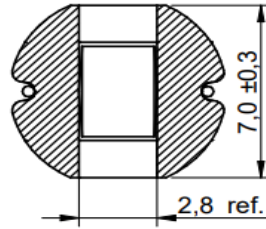
☆ 工作温度: -40°C ~ +125°C

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)

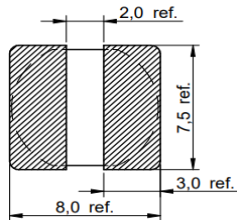


示意图 Schematics



电性特性 Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _R max 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	卷盘数量 Taping Reel Qty. pcs
UPI03-7850-820M	82 ±20%	0.90	0.248	0.95	500
UPI03-7850-101M	100 ±20%	0.77	0.208	0.86	500
UPI03-7850-121M	120 ±20%	0.67	0.308	0.91	500
UPI03-7850-151M	150 ±20%	0.60	0.467	0.71	500
UPI03-7850-181M	180 ±20%	0.55	0.574	0.57	500
UPI03-7850-221M	220 ±20%	0.51	0.614	0.56	500
UPI03-7850-271M	270 ±20%	0.47	0.699	0.51	500
UPI03-7850-331M	330 ±20%	0.43	0.810	0.48	500
UPI03-7850-391M	390 ±20%	0.38	1.151	0.43	500
UPI03-7850-471M	470 ±20%	0.36	1.370	0.38	500
UPI03-7850-102M	1,000 ±20%	0.30	2.780	0.30	500

测试状态

Test Condition

☆ 电感测试条件为 10 kHz/ 100 mV

Inductance measure condition at 1.0 MHz/ 100mV

☆ 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

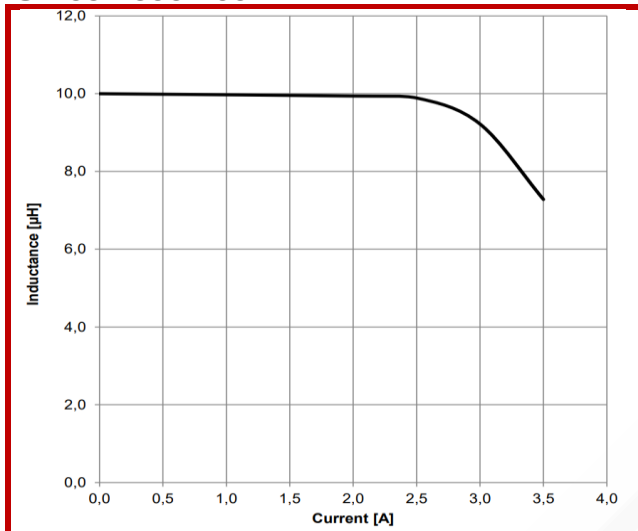
Saturation Current: The actual value of DC current when the inductance drop 10% of initial value



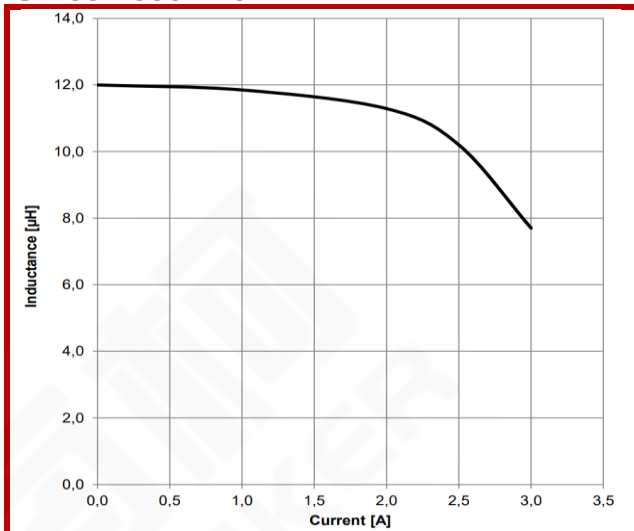
典型电感与电流特性

Typical Inductance vs. Current Characteristics

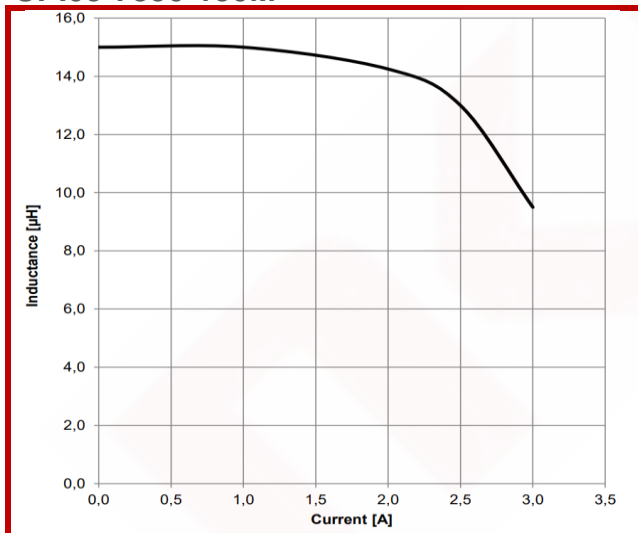
UPI03-7850-100M



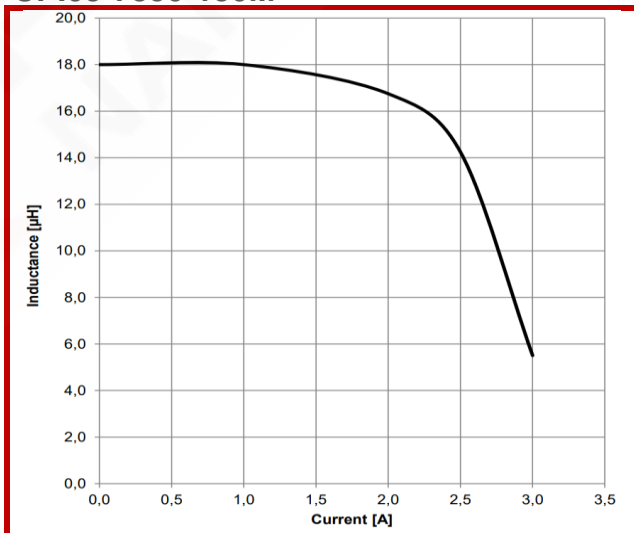
UPI03-7850-120M



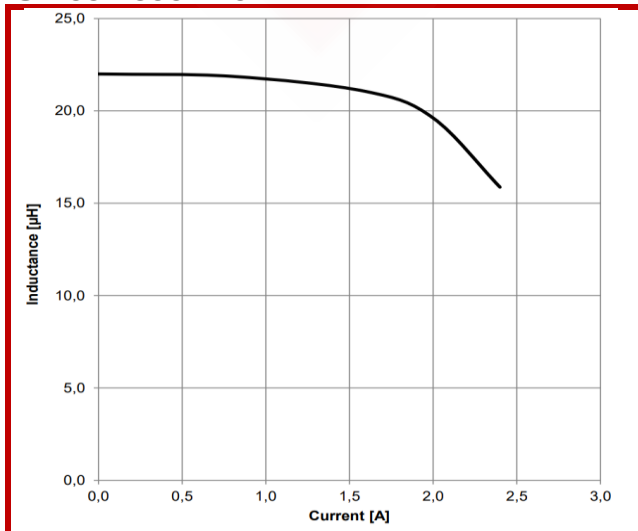
UPI03-7850-150M



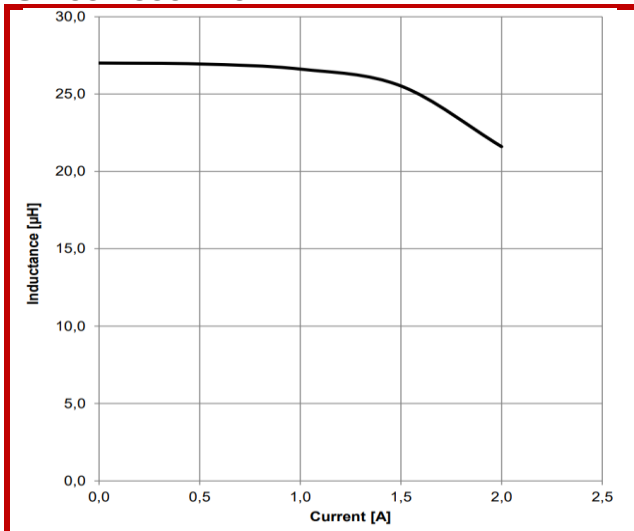
UPI03-7850-180M



UPI03-7850-220M



UPI03-7850-270M

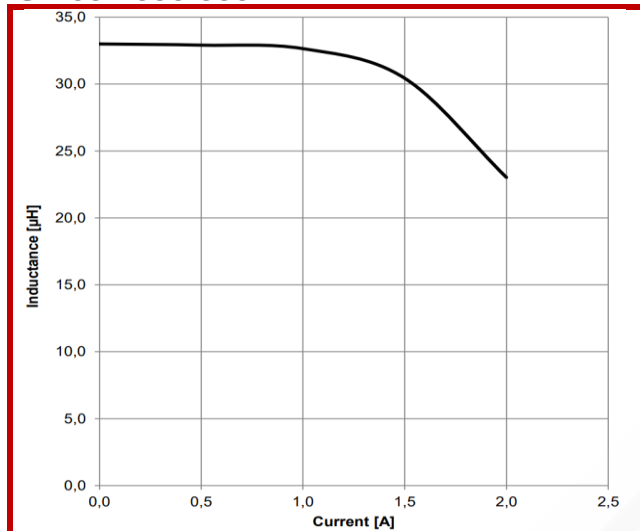




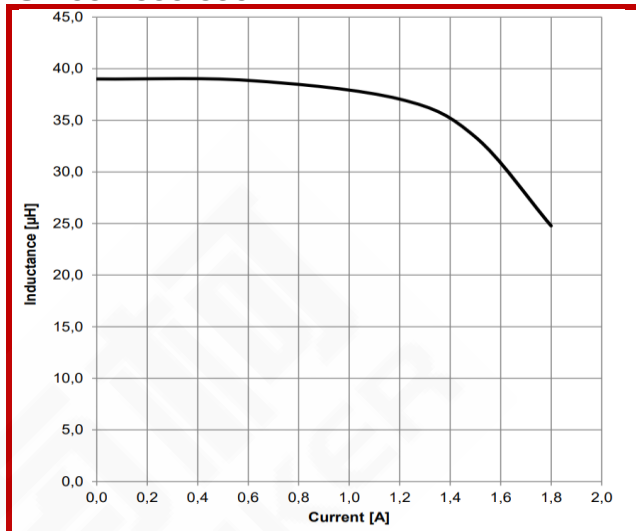
典型电感与电流特性

Typical Inductance vs. Current Characteristics

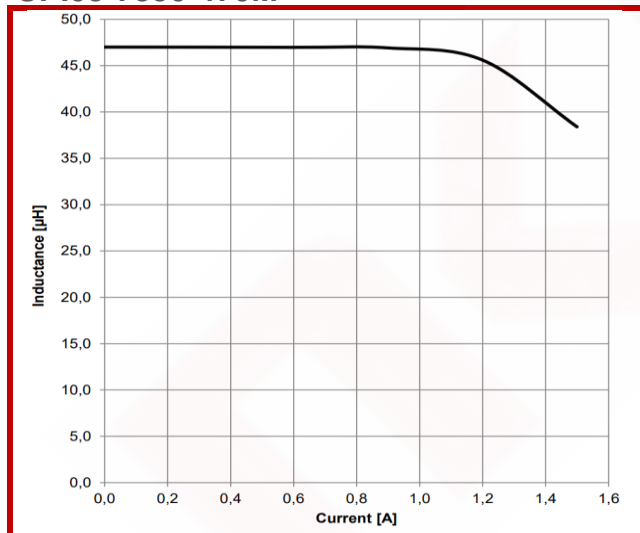
UPI03-7850-330M



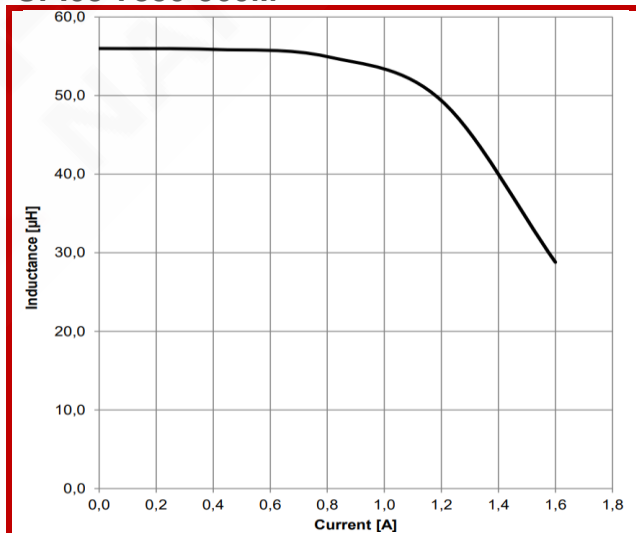
UPI03-7850-390M



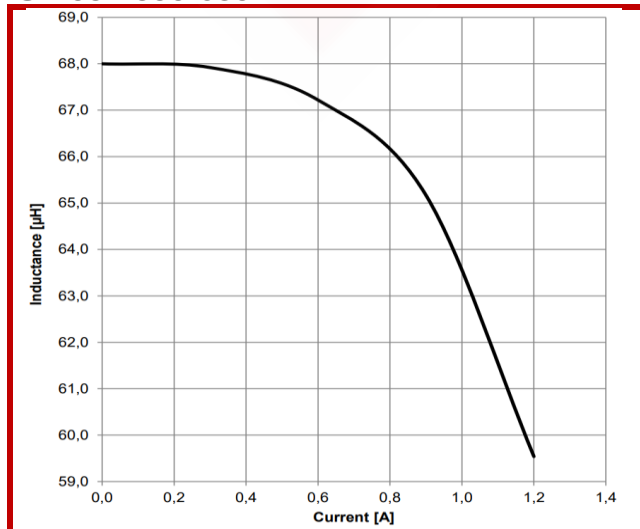
UPI03-7850-470M



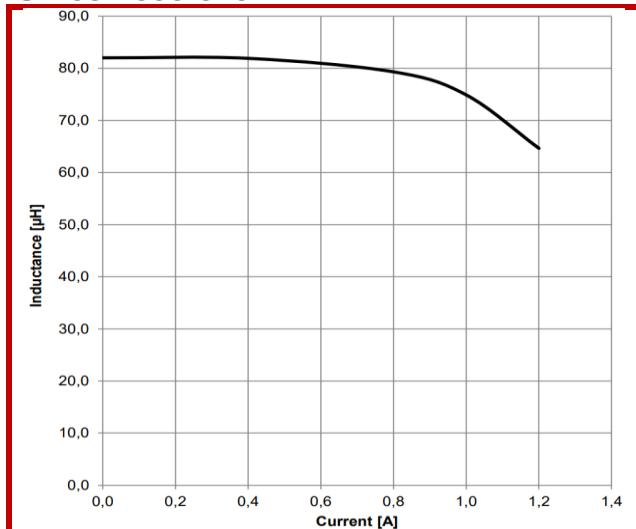
UPI03-7850-560M



UPI03-7850-680M



UPI03-7850-820M

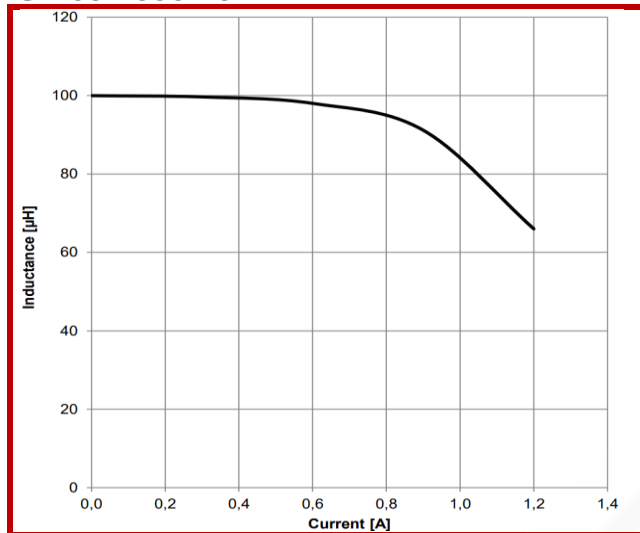




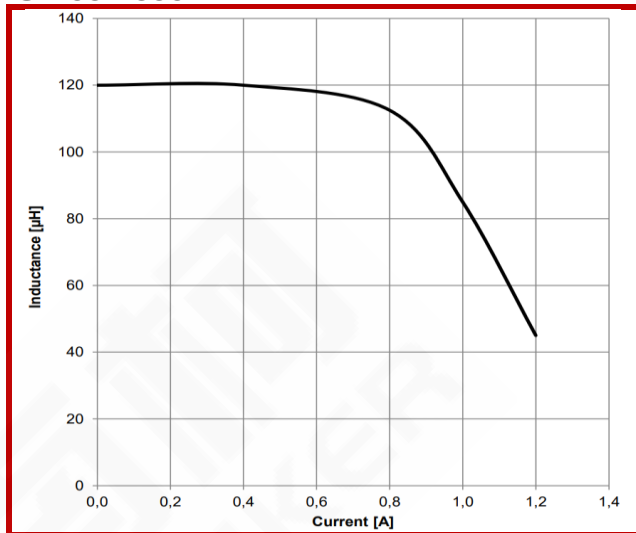
典型电感与电流特性

Typical Inductance vs. Current Characteristics

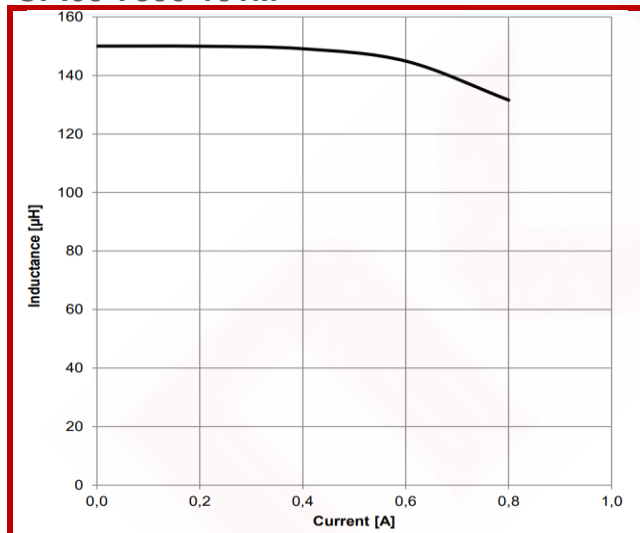
UPI03-7850-101M



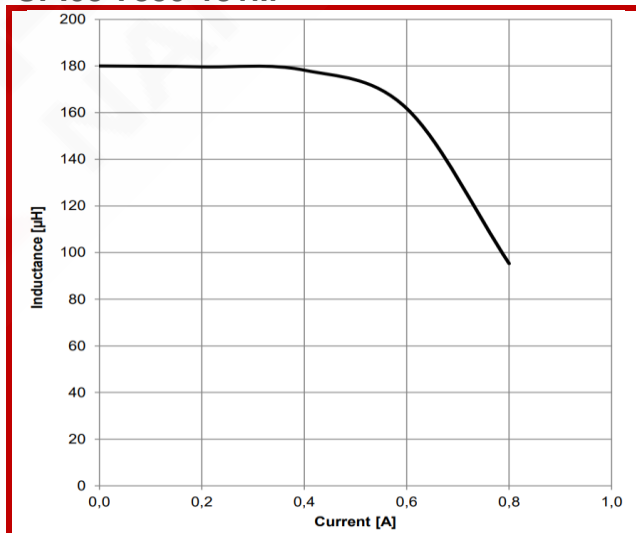
UPI03-7850-121M



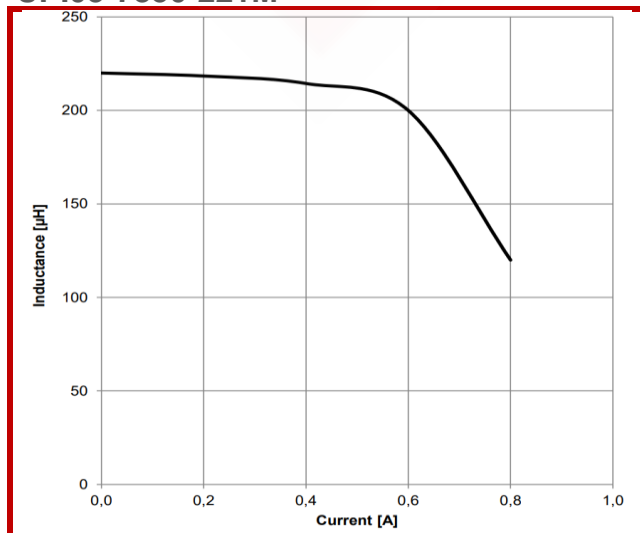
UPI03-7850-151M



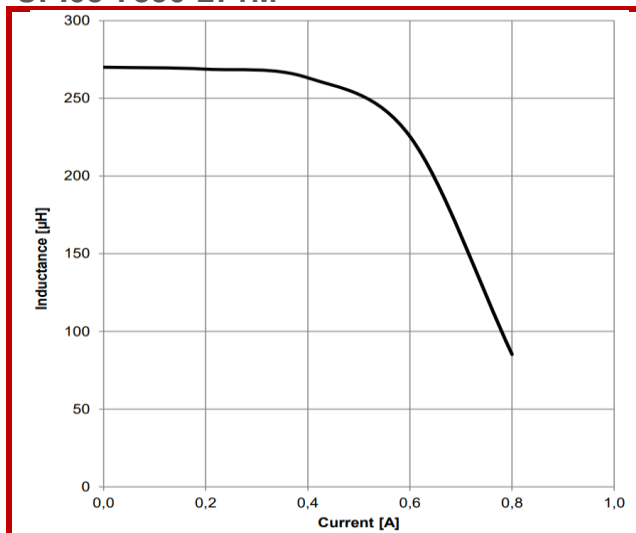
UPI03-7850-181M



UPI03-7850-221M



UPI03-7850-271M

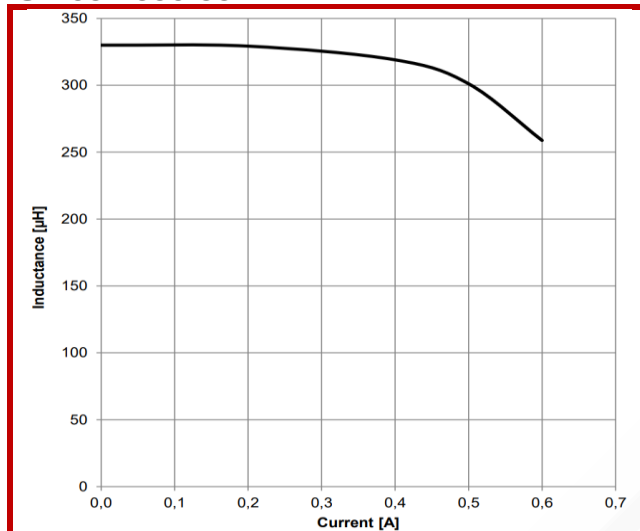




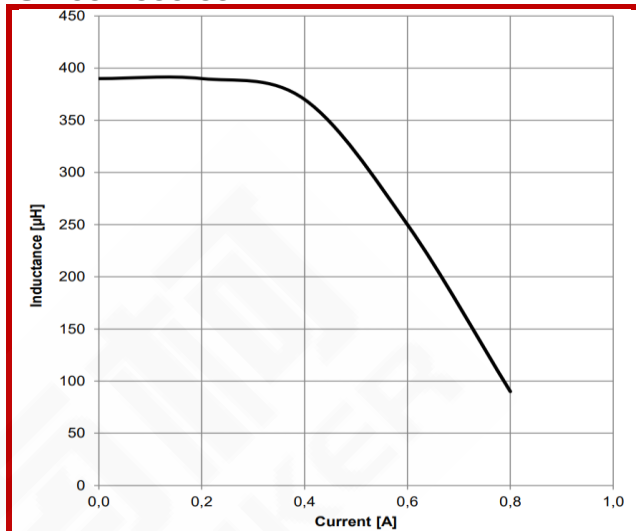
典型电感与电流特性

Typical Inductance vs. Current Characteristics

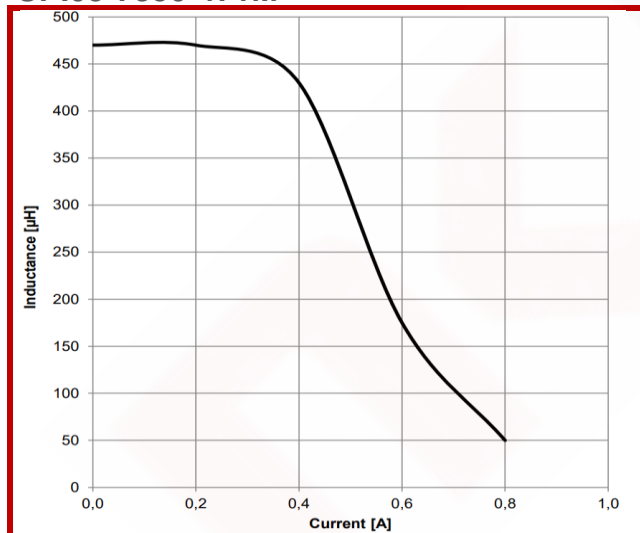
UPI03-7850-331M



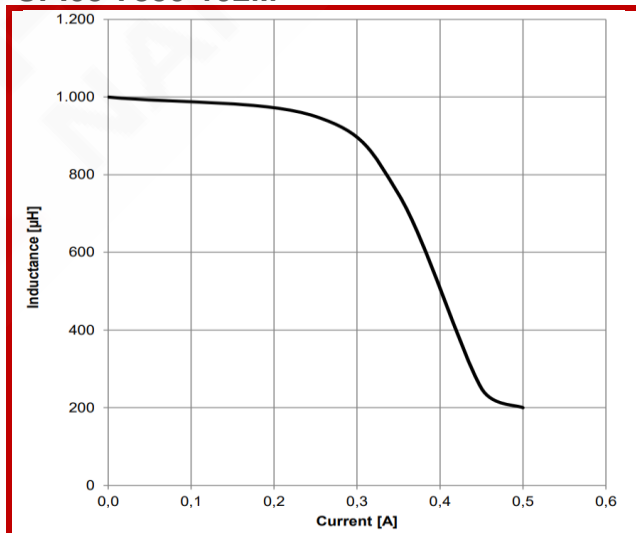
UPI03-7850-391M



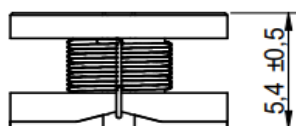
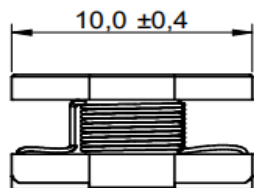
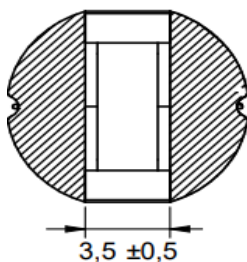
UPI03-7850-471M



UPI03-7850-102M



尺寸 Dimension (mm)



焊盘推荐 Land Pattern Recommended (mm)

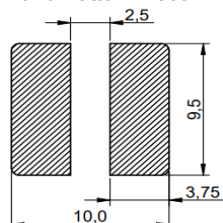


示意图 Schematics



电性特性 Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _R max 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	卷盘数量 Taping Reel Qty. pcs
UPI03-1005-1R2M	1.20 ±20%	6.00	0.009	11.00	500
UPI03-1005-2R5M	2.50 ±20%	5.30	0.012	8.00	500
UPI03-1005-3R3M	3.30 ±20%	5.00	0.014	7.00	500
UPI03-1005-4R7M	4.70 ±20%	5.00	0.017	6.00	500
UPI03-1005-5R6M	5.60 ±20%	4.80	0.019	5.50	500
UPI03-1005-6R8M	6.80 ±20%	4.40	0.022	5.00	500
UPI03-1005-8R2M	8.20 ±20%	4.20	0.026	4.25	500
UPI03-1005-100M	10.00 ±20%	2.98	0.060	3.24	500
UPI03-1005-120M	12.00 ±20%	2.72	0.070	3.15	500
UPI03-1005-150M	15.00 ±20%	2.47	0.080	2.88	500
UPI03-1005-180M	18.00 ±20%	2.36	0.090	2.43	500
UPI03-1005-220M	22.00 ±20%	2.04	0.100	2.07	500

测试状态

Test Condition

☆ 电感测试条件为 10 kHz/ 100 mV

Inductance measure condition at 1.0 MHz/ 100mV

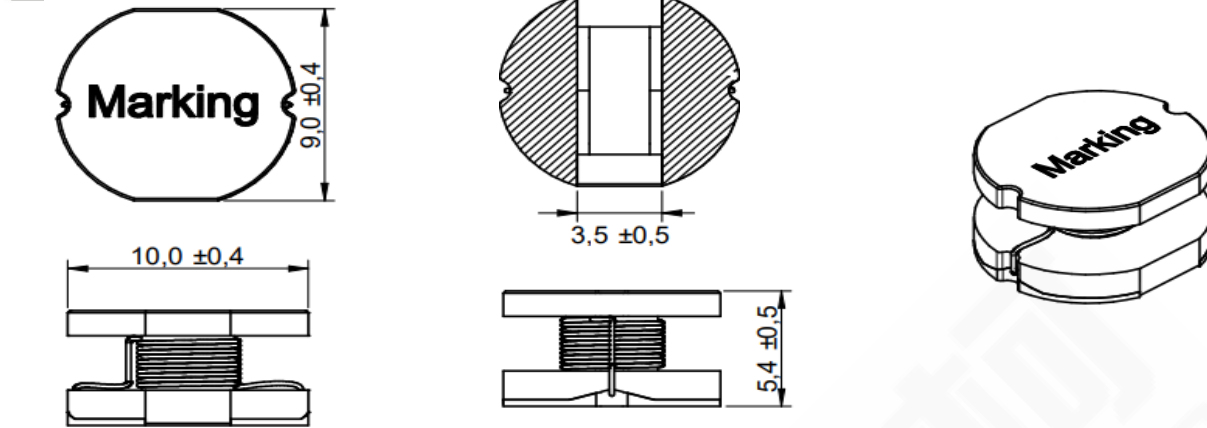
☆ 工作温度: -40°C ~ +125°C

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)

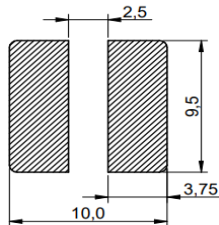


示意图
Schematics



电性特性
Electrical Properties

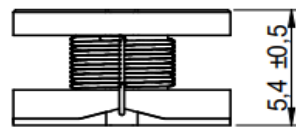
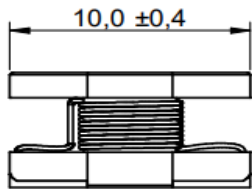
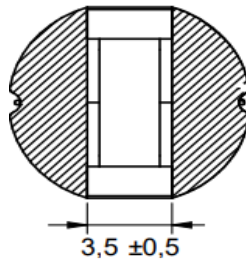
型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _R max 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	卷盘数量 Taping Reel Qty. pcs
UPI03-1005-270M	27.00 ±20%	1.95	0.110	1.98	500
UPI03-1005-330M	33.00 ±20%	1.78	0.120	1.89	500
UPI03-1005-390M	39.00 ±20%	1.62	0.140	1.80	500
UPI03-1005-470M	47.00 ±20%	1.45	0.170	1.62	500
UPI03-1005-560M	56.00 ±20%	1.36	0.190	1.53	500
UPI03-1005-680M	68.00 ±20%	1.19	0.220	1.49	500
UPI03-1005-820M	82.00 ±20%	1.10	0.250	1.17	500
UPI03-1005-101M	100.00 ±20%	1.02	0.350	1.10	500
UPI03-1005-121M	120.00 ±20%	0.94	0.400	0.99	500
UPI03-1005-151M	150.00 ±20%	0.81	0.470	0.90	500
UPI03-1005-181M	180.00 ±20%	0.76	0.630	0.78	500
UPI03-1005-221M	220.00 ±20%	0.67	0.730	0.77	500

测试状态

Test Condition

- ☆ 电感测试条件为 10 kHz/ 100 mV
Inductance measure condition at 1.0 MHz/ 100mV
- ☆ 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)

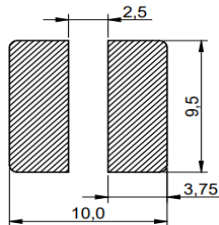


示意图 Schematics



电性特性 Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _R max 40°C (A)	直流电阻 DC Resistance DCR _{max} (Ω)	饱和电流 Saturation Current I _{sat} typ (A)	卷盘数量 Taping Reel Qty. pcs
UPI03-1005-271M	270 ±20%	0.62	0.110	1.98	500
UPI03-1005-331M	330 ±20%	0.52	0.120	1.89	500
UPI03-1005-391M	390 ±20%	0.49	0.140	1.80	500
UPI03-1005-471M	470 ±20%	0.44	0.170	1.62	500
UPI03-1005-561M	560 ±20%	0.39	0.190	1.53	500
UPI03-1005-601M	600 ±20%	0.70	0.220	1.49	500
UPI03-1005-681M	680 ±20%	0.36	0.250	1.17	500
UPI03-1005-821M	820 ±20%	0.32	0.350	1.10	500
UPI03-1005-102M	1,000 ±20%	0.32	0.400	0.99	500
UPI03-1005-122M	1,200 ±20%	0.30	0.470	0.90	500
UPI03-1005-222M	2,200 ±20%	0.18	0.630	0.78	500

测试状态

Test Condition

☆ 电感测试条件为 10 kHz/ 100 mV

Inductance measure condition at 1.0 MHz/ 100mV

☆ 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

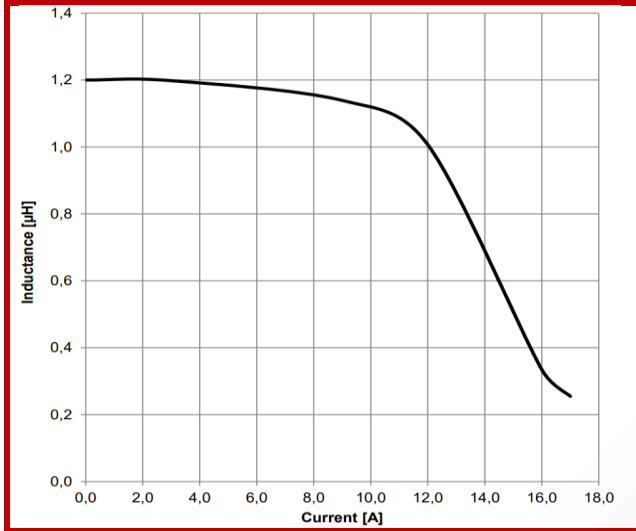
Saturation Current: The actual value of DC current when the inductance drop 10% of initial value



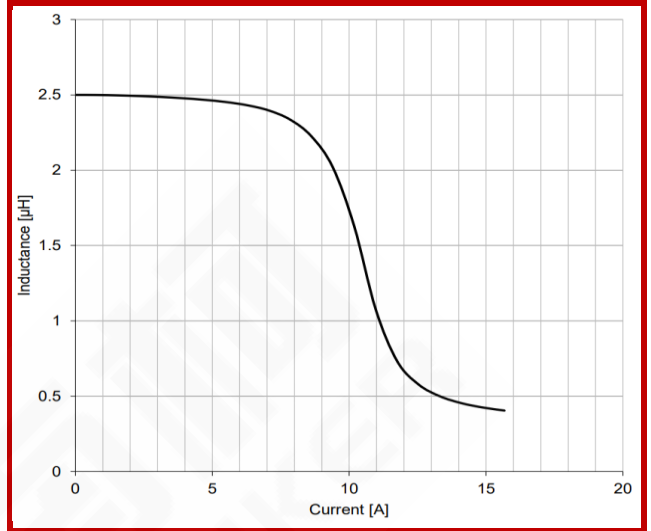
典型电感与电流特性

Typical Inductance vs. Current Characteristics

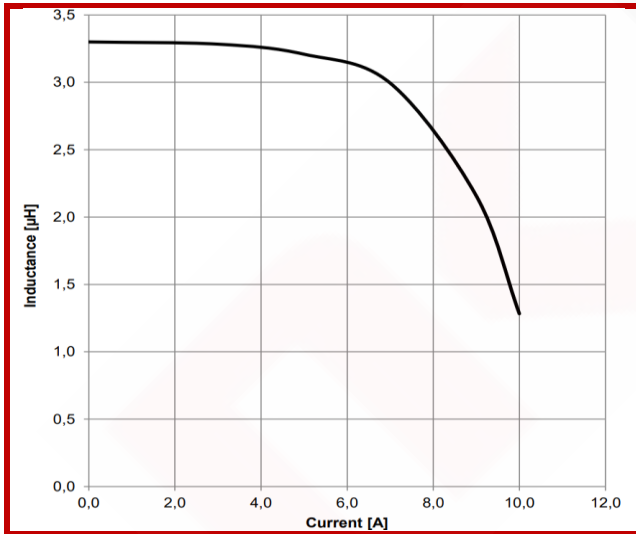
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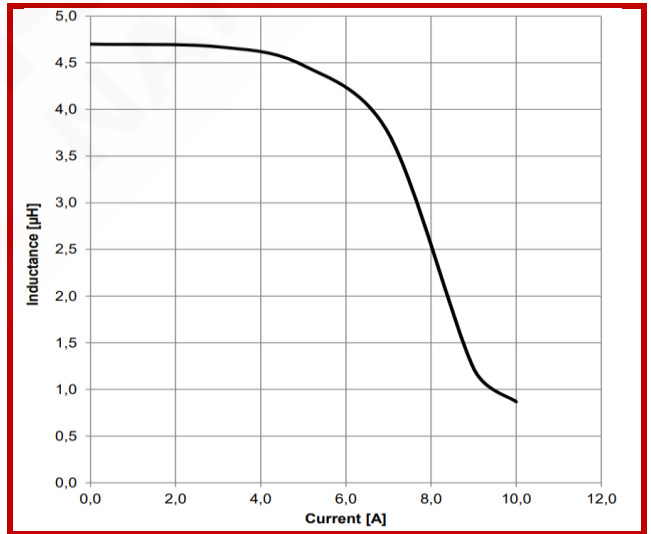
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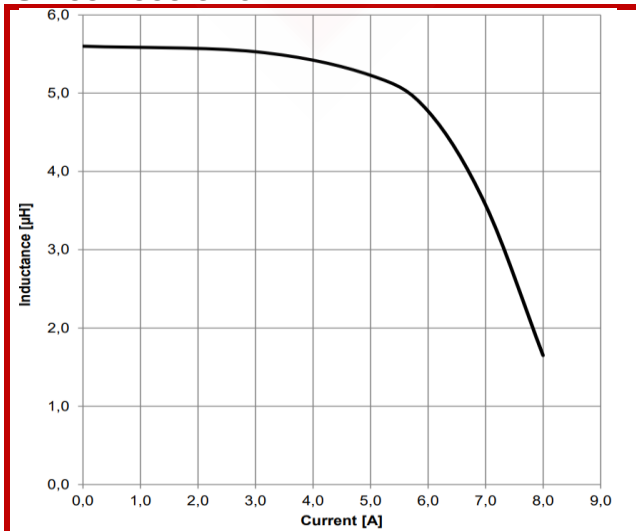
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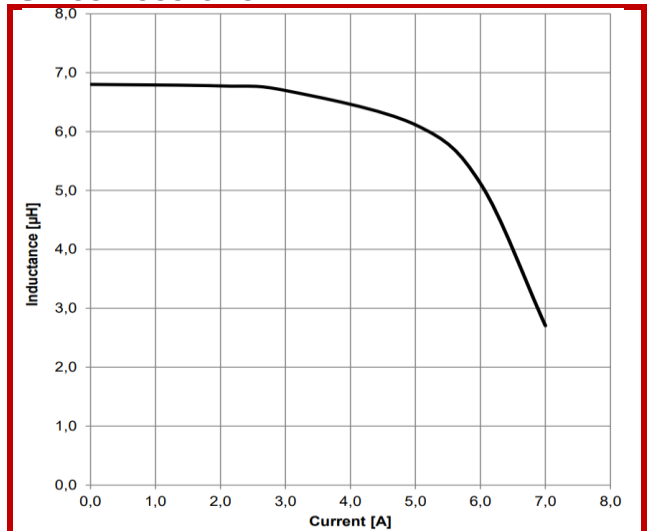
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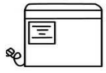


UPI03-1005-5R6M



UPI03-1005-6R8M

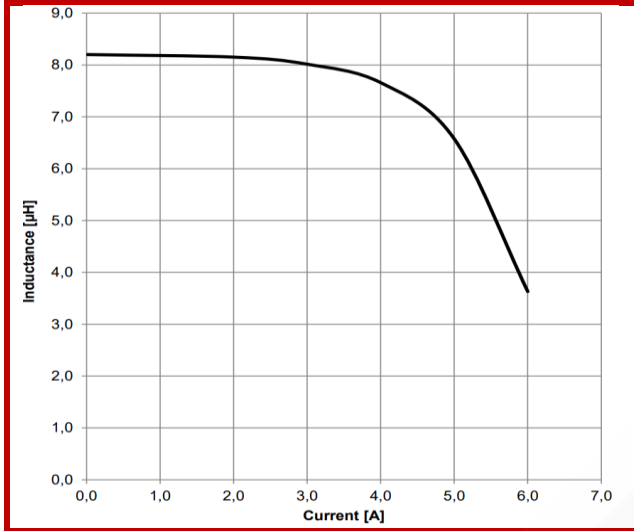




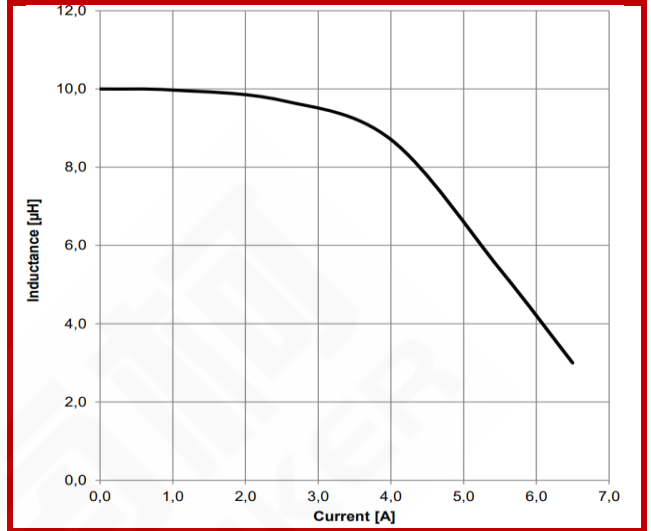
典型电感与电流特性

Typical Inductance vs. Current Characteristics

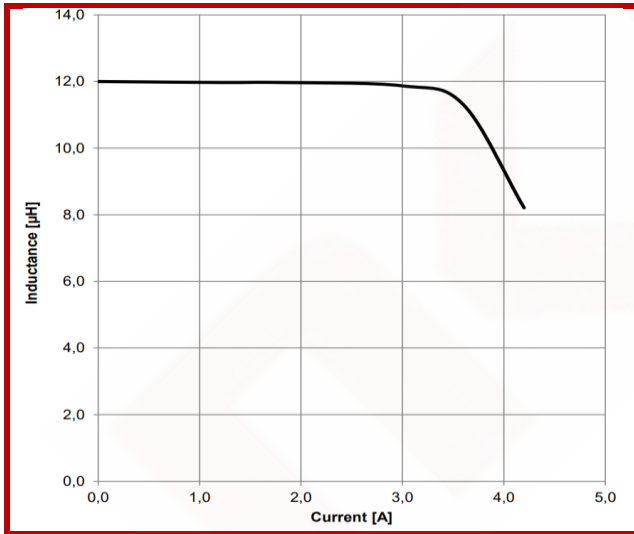
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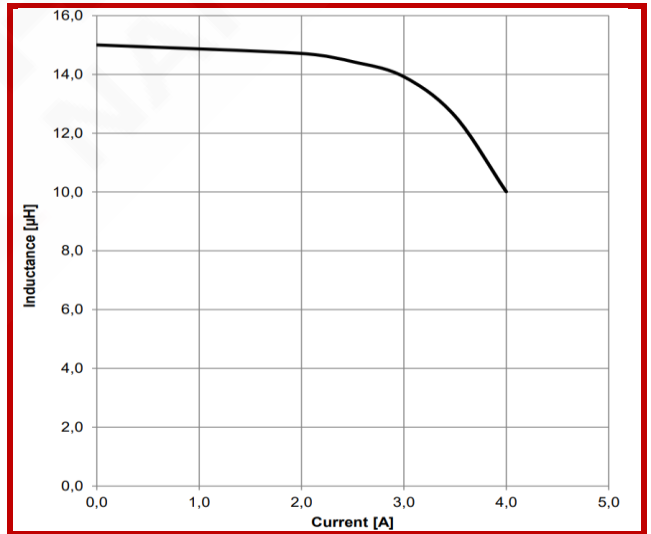
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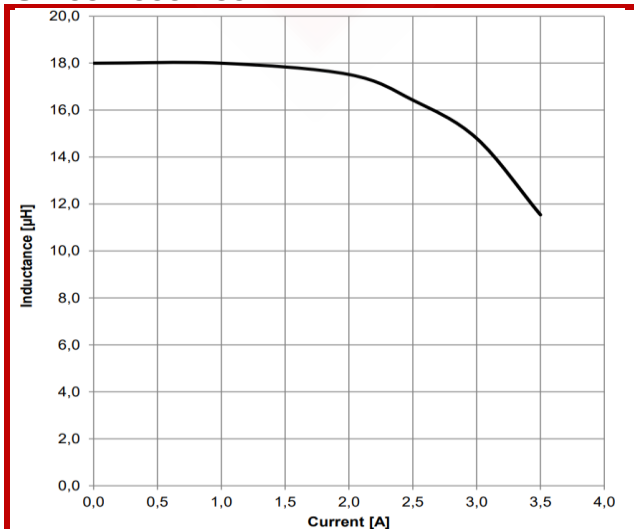
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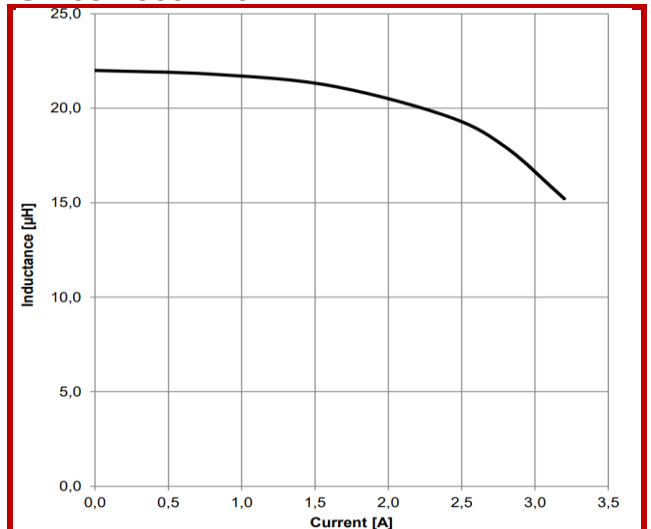
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UPI03-1005-180M



UPI03-1005-220M

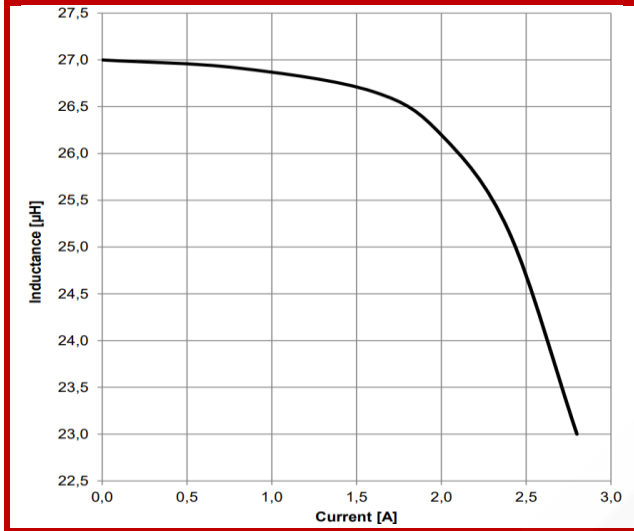




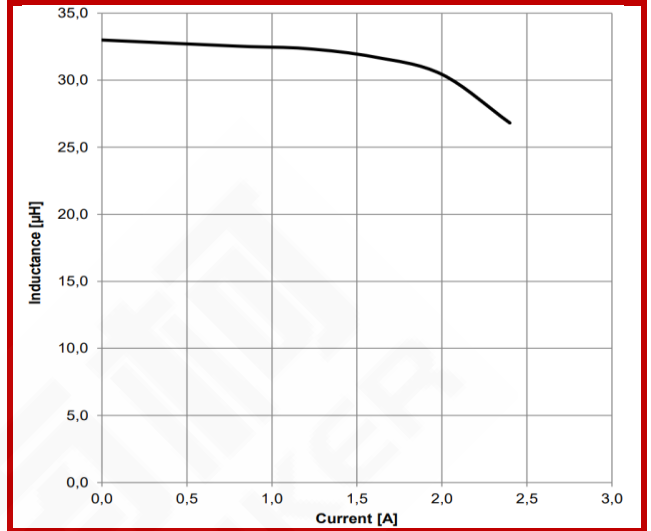
典型电感与电流特性

Typical Inductance vs. Current Characteristics

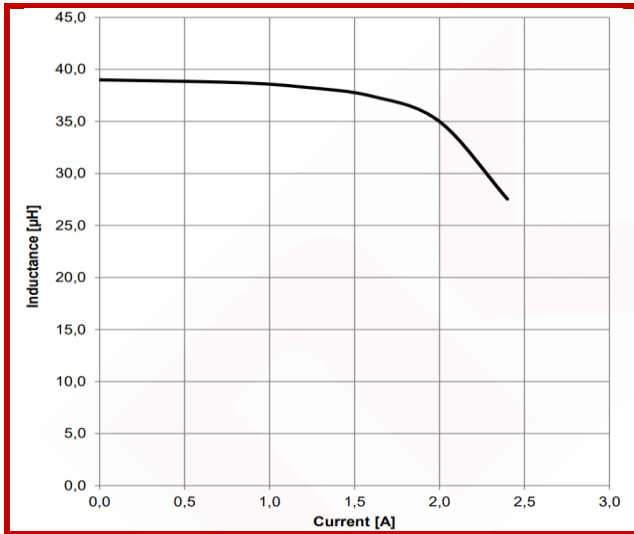
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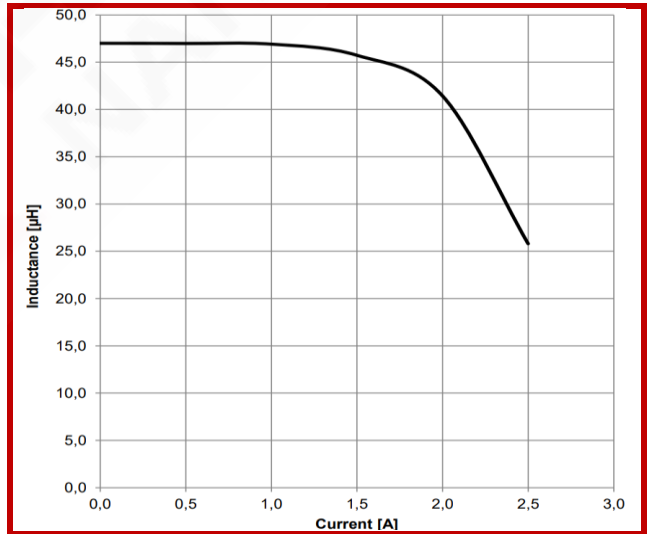
UPI03-1005-330M



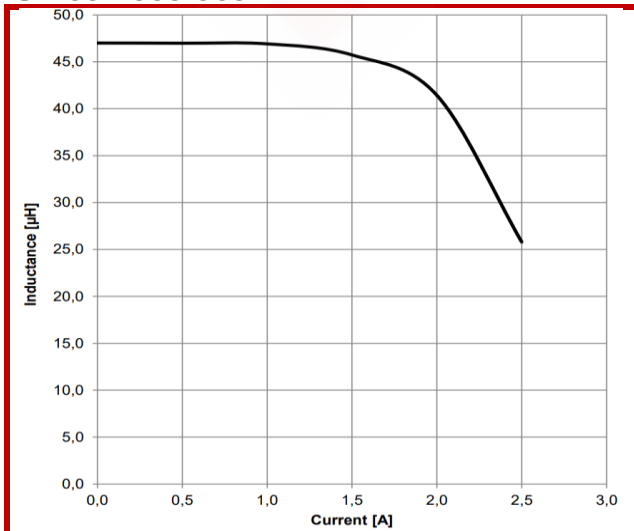
UPI03-1005-390M



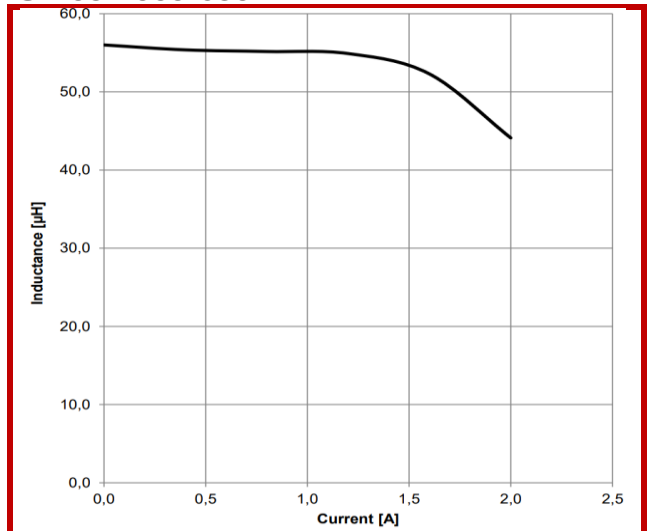
UPI03-1005-470M



UPI03-1005-560M



UPI03-1005-680M

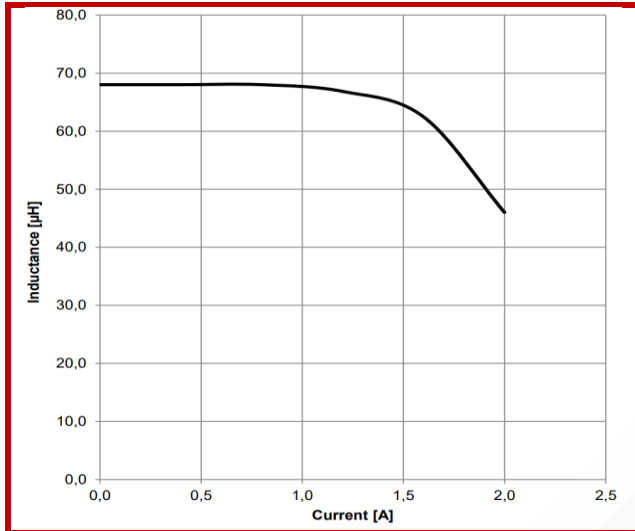




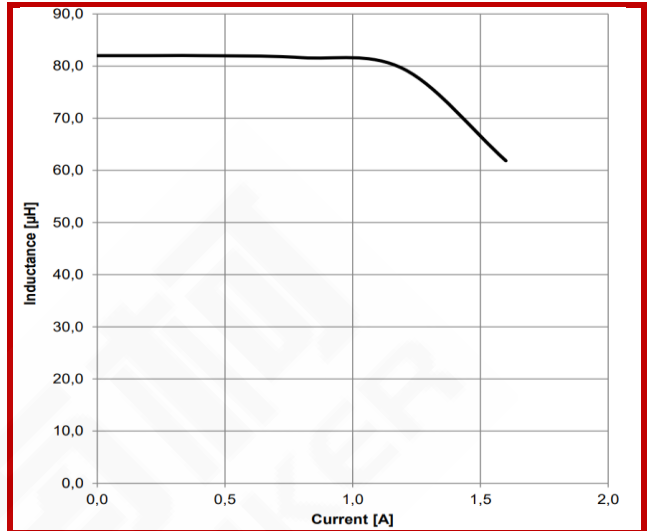
典型电感与电流特性

Typical Inductance vs. Current Characteristics

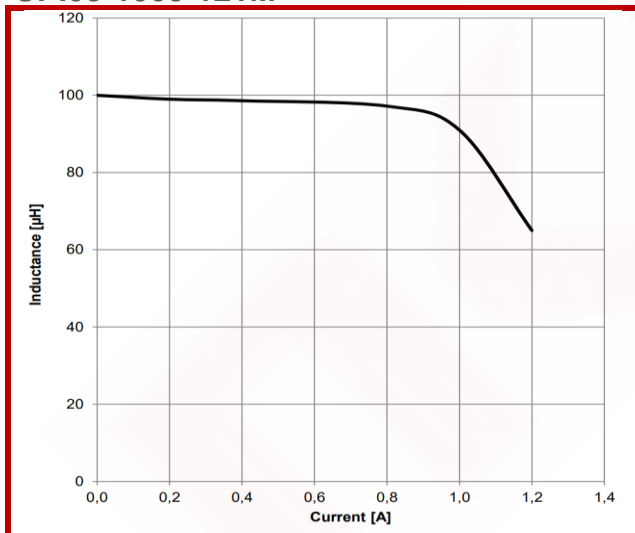
UPI03-1005-820M



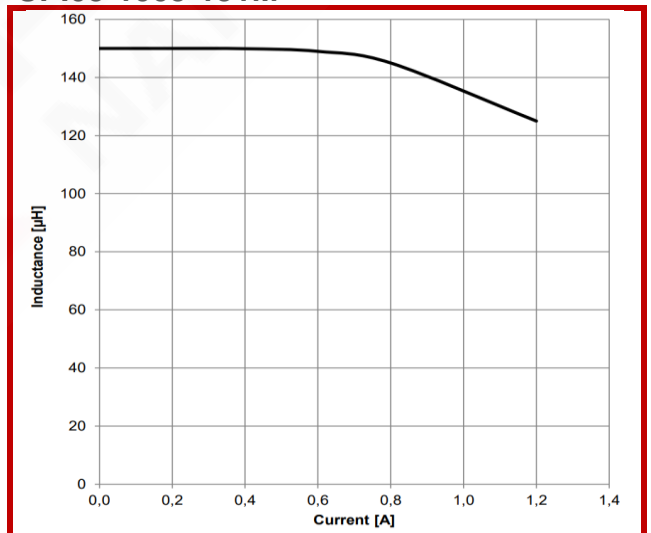
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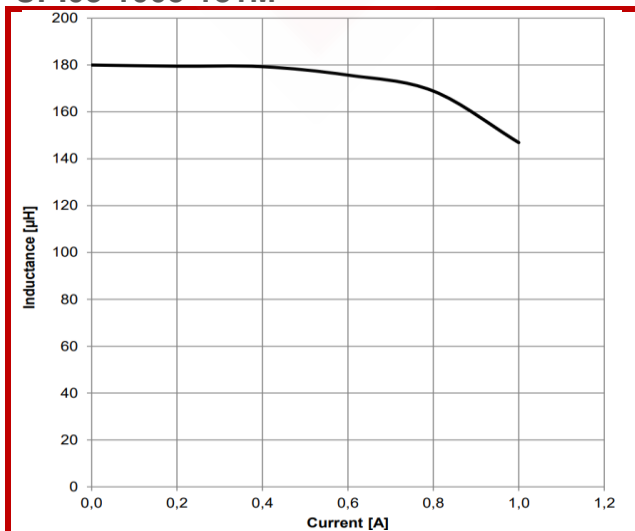
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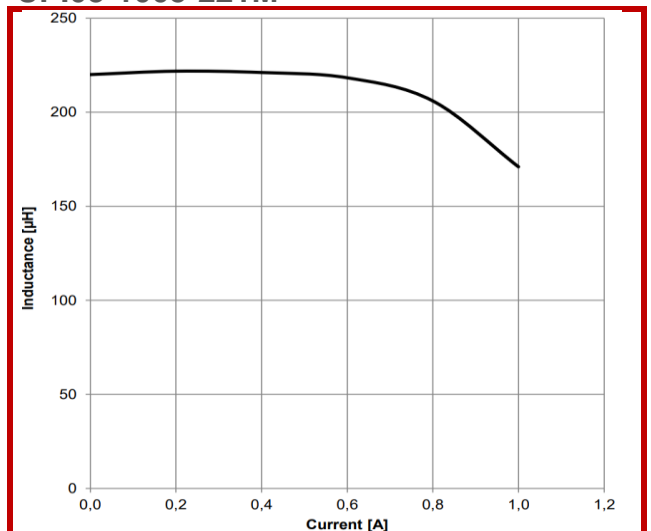
UPI03-1005-151M



UPI03-1005-181M



UPI03-1005-221M

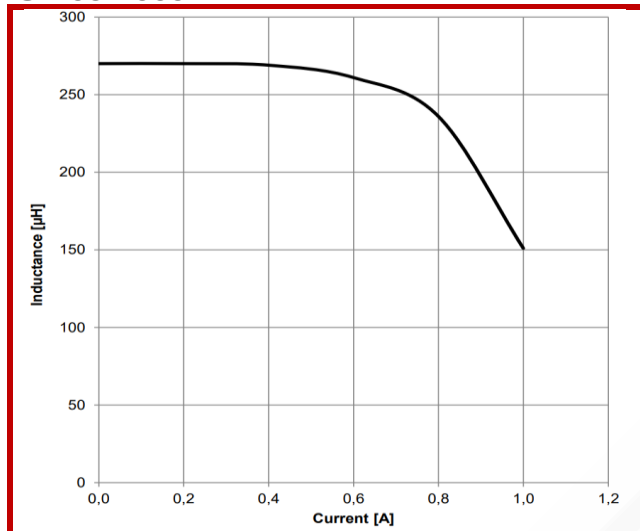




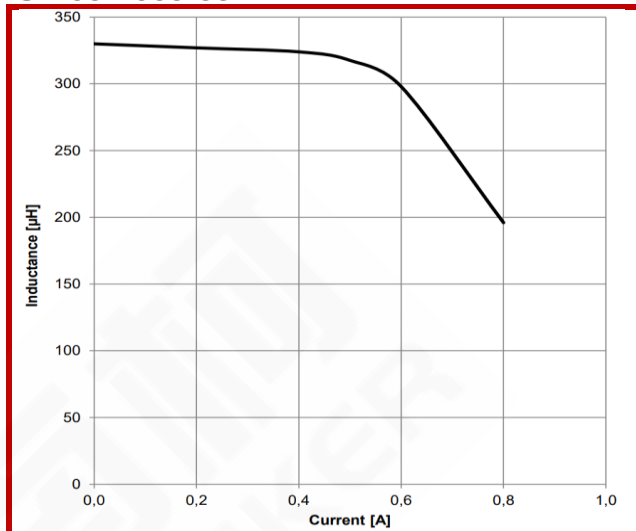
典型电感与电流特性

Typical Inductance vs. Current Characteristics

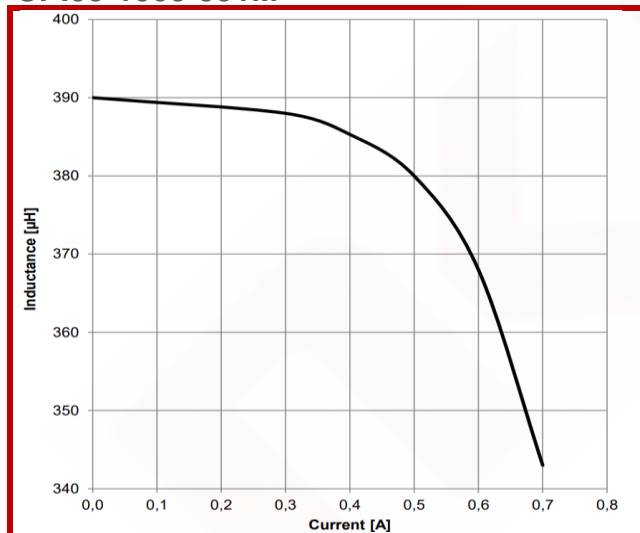
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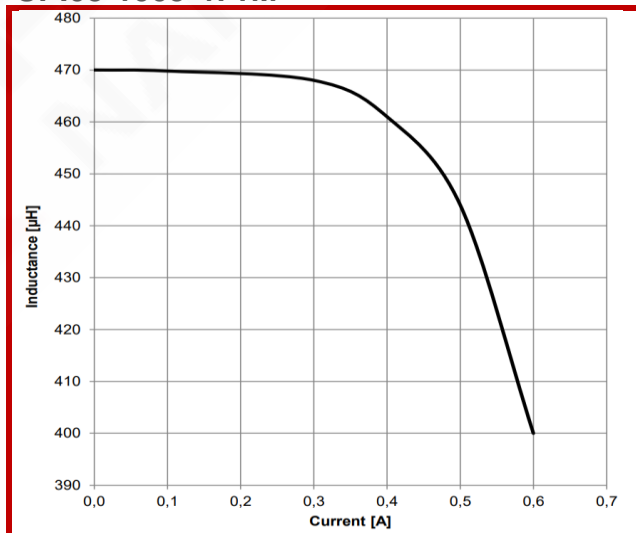
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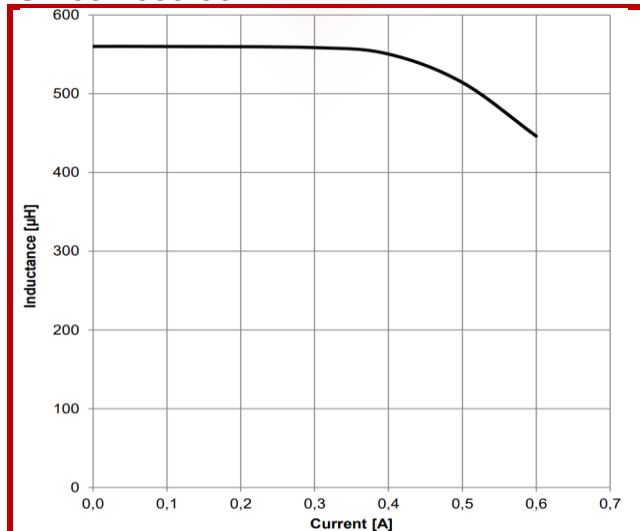
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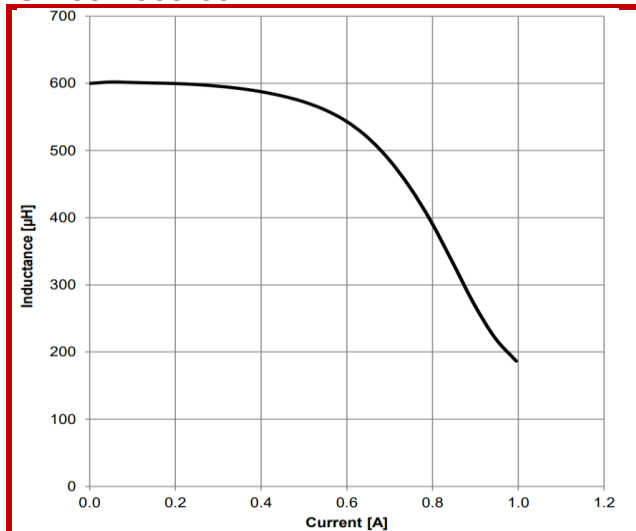
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UPI03-1005-561M



UPI03-1005-601M

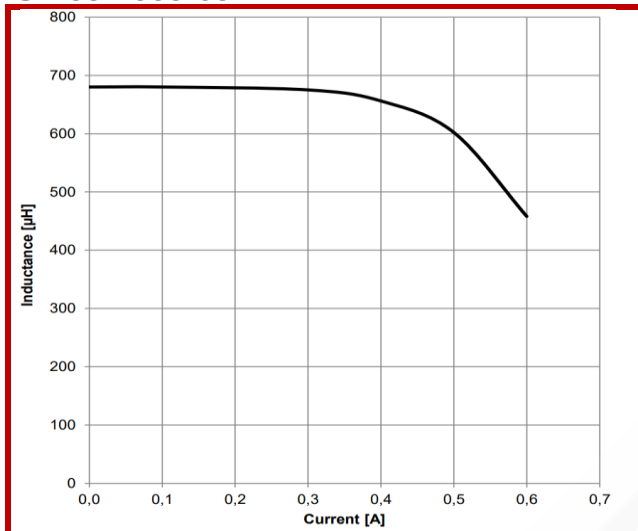




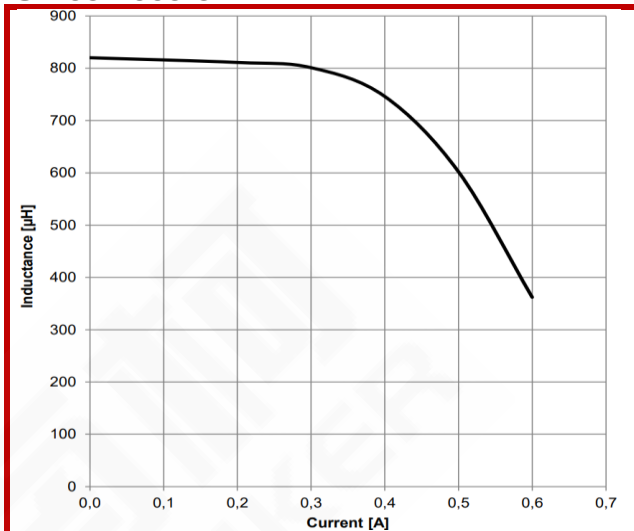
典型电感与电流特性

Typical Inductance vs. Current Characteristics

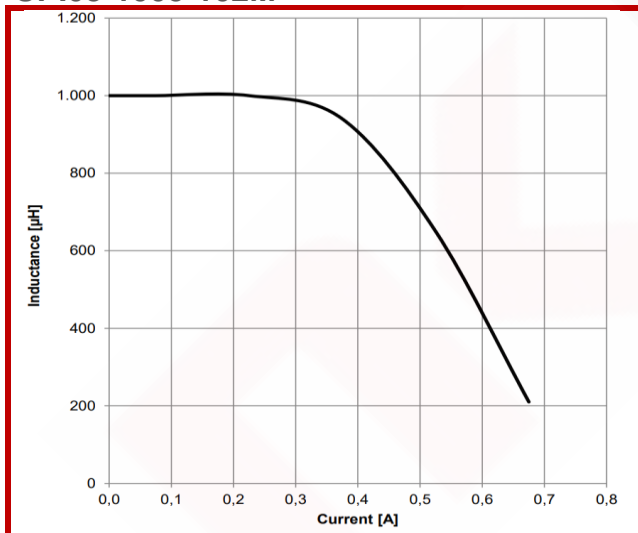
UPI03-1005-681M



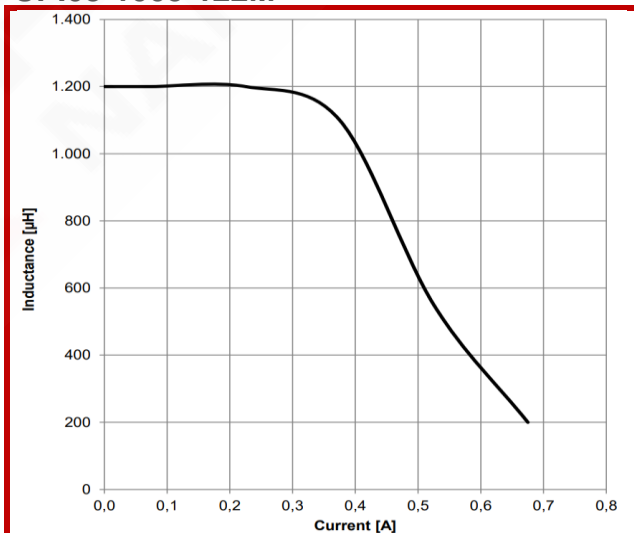
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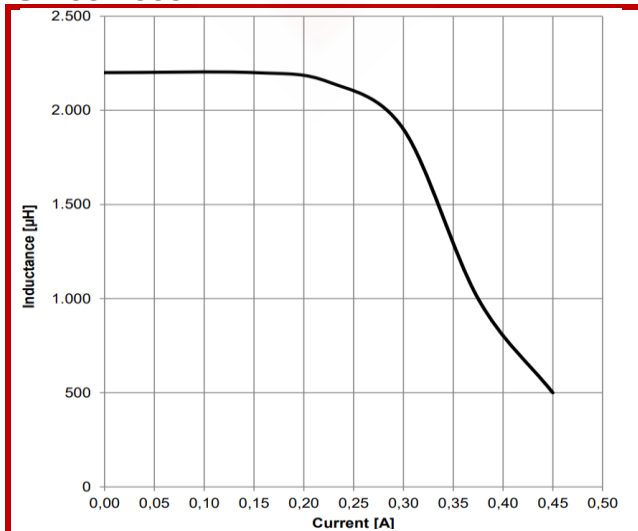
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UPI03-1005-122M



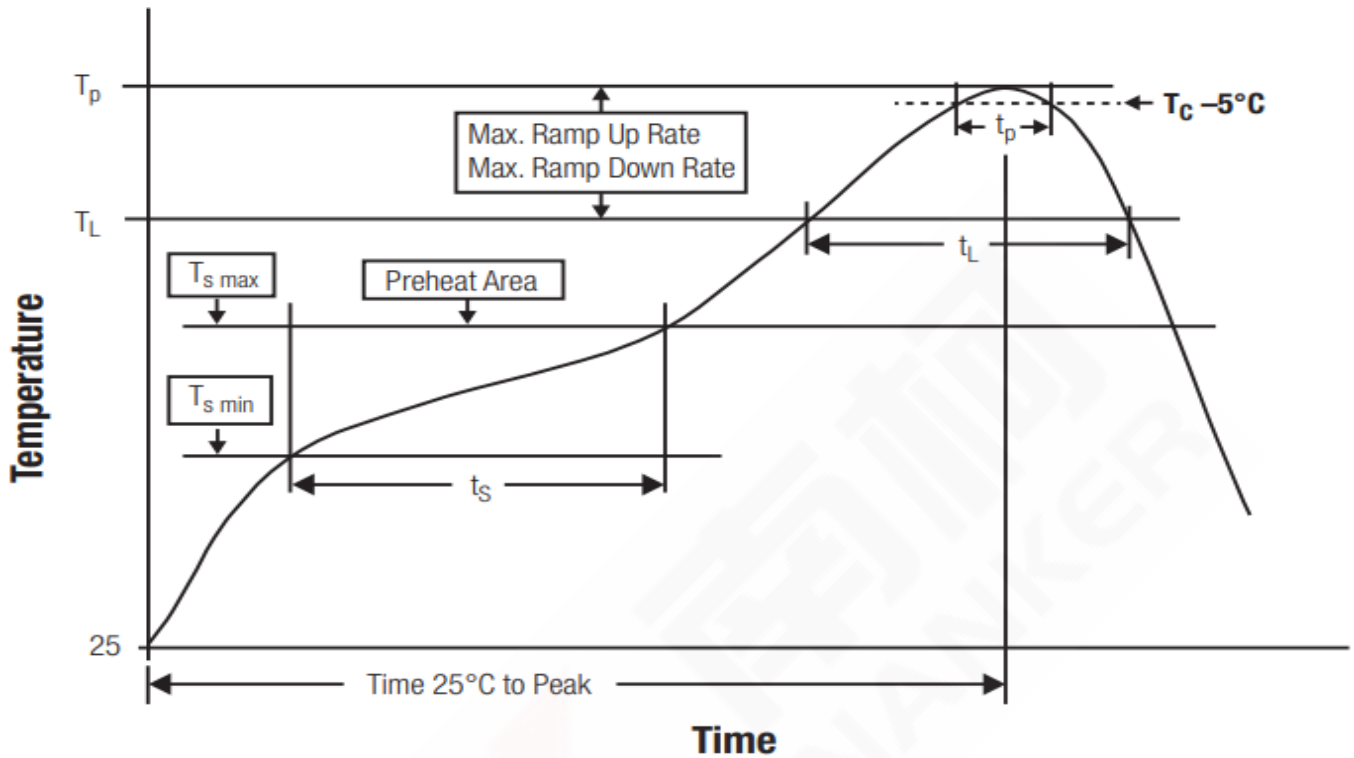
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回流焊曲线图

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.