

插件数字功放电感

Digital Power Amplifier Inductance (THT)



特性

Characteristics

磁屏蔽结构: 抗电磁干扰(EMI)性能强
Magnetic shielded structure: excellent resistance to electromagnetic interference(EMI)

组立式设计, 结构坚固

Assemblage design, sturdy structure

高电感值, 大电流, 低磁损, 低阻抗, 寄生电容小
High inductance, high current, low magnetic loss, low ESR, small parasitic capacitance

耐高温铜线, 磁路闭合, 超低蜂鸣噪音

High temperature wire, closed magnetic circuit, ultra low buzz noise

使用无氧铜线改善音质

Improving sound quality by using Oxygen Free Copper(OFC)wire.

应用

Application

Class D音响

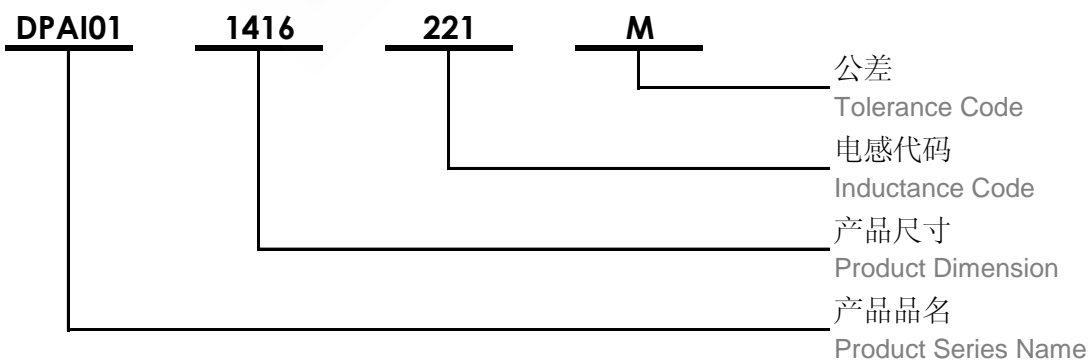
Class D audio amplifiers

数字扩音器

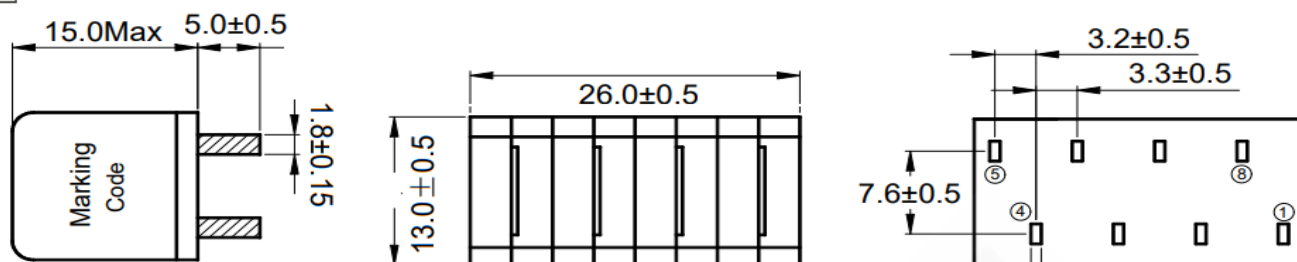
Digital amplifiers

产品品名介绍

Product Number Structure



尺寸 Dimension (mm)



Part No.	5R6 ~ 100	150 ~ 220
Dimension A	0.40 ± 0.15	0.30 ± 0.15
Dimension B	0.80	0.60

焊盘推荐 Land Pattern Recommended (mm)

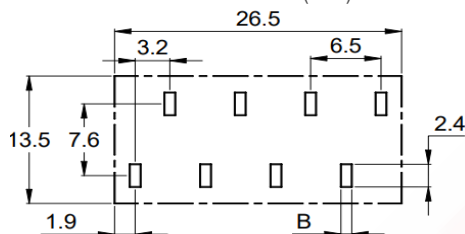
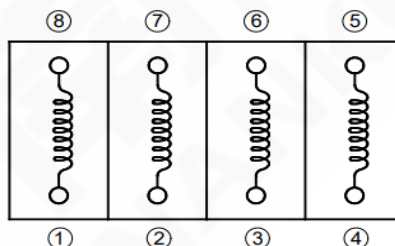


示意图 Schematics



产品尺寸 Product Dimension

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r typ 40°C (A)	直流电阻 DC Resistance DCR _{max} (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packing Qty pcs
DPAI01-1326-5R6M	5.60 ±20%	12.00	5.30	13.00	468
DPAI01-1326-7R0M	7.00 ±20%	12.00	5.30	10.00	468
DPAI01-1326-100M	10.00 ±20%	12.00	5.30	6.20	468
DPAI01-1326-150M	15.00 ±20%	9.50	10.00	5.40	468
DPAI01-1326-220M	22.00 ±20%	9.50	10.00	4.20	468

测试状态

Test Condition

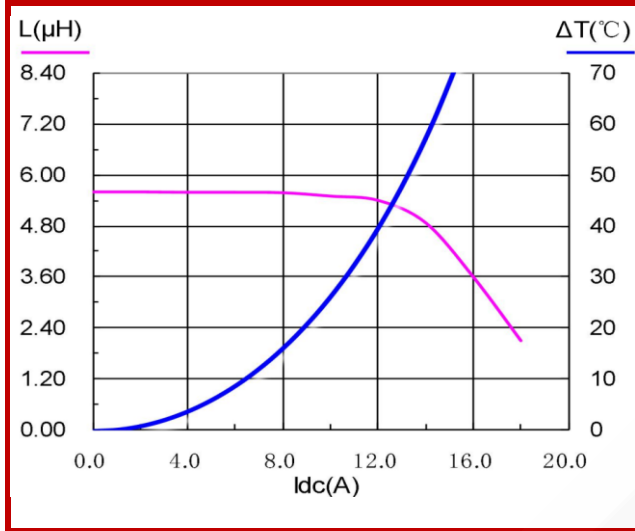
- ☆ 电感测试条件为 1.0kHz, 1.0V
Inductance measure condition at 1.0 kHz/ 1.0V
- ☆ 工作温度: -40°C ~ +125°C
Operating Temperature: -40°C ~ +125°C
- ☆ 饱和电流: 电感值下降其初始值的20%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 20% of initial value



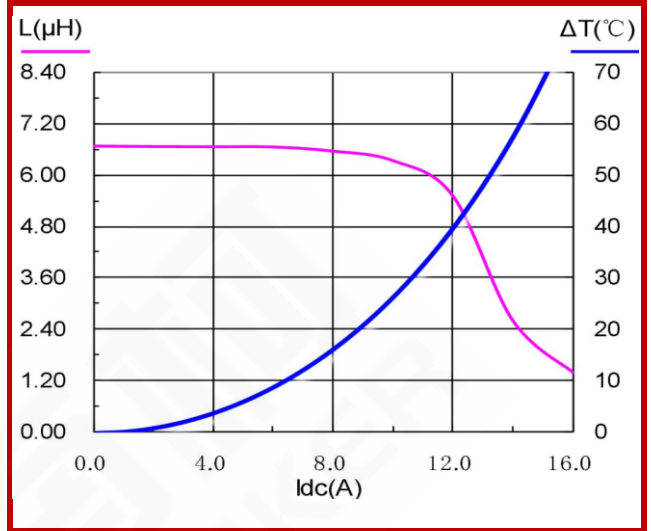
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

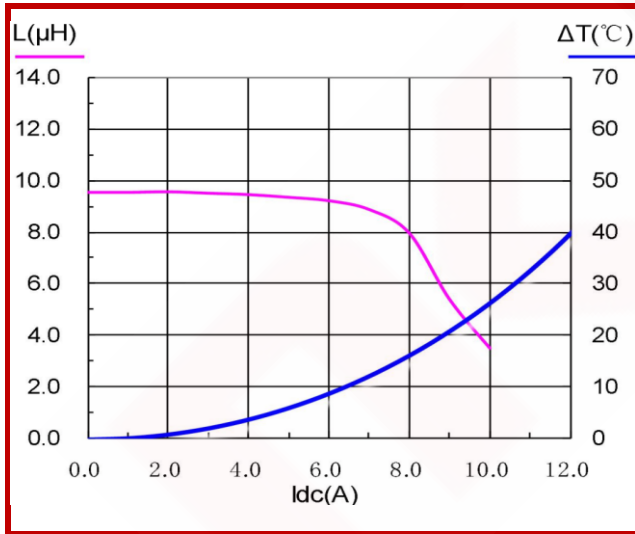
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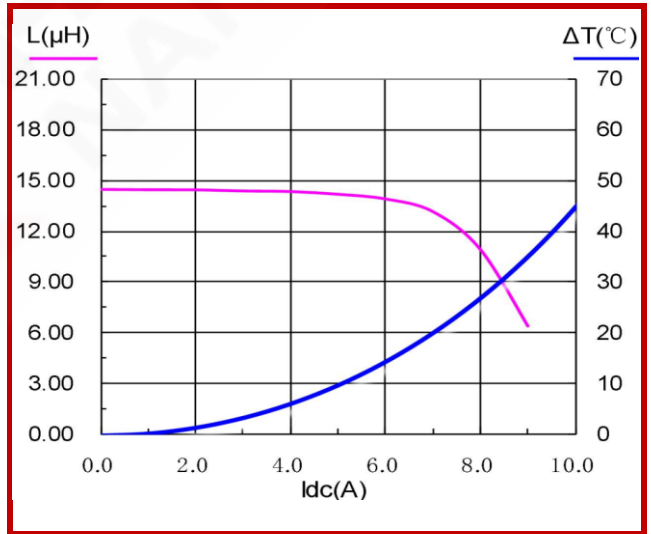
DPAI01-1326-7R0M



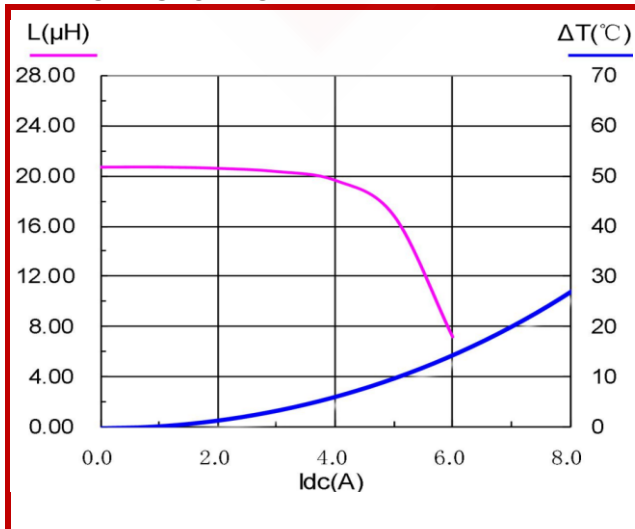
DPAI01-1326-100M



DPAI01-1326-150M



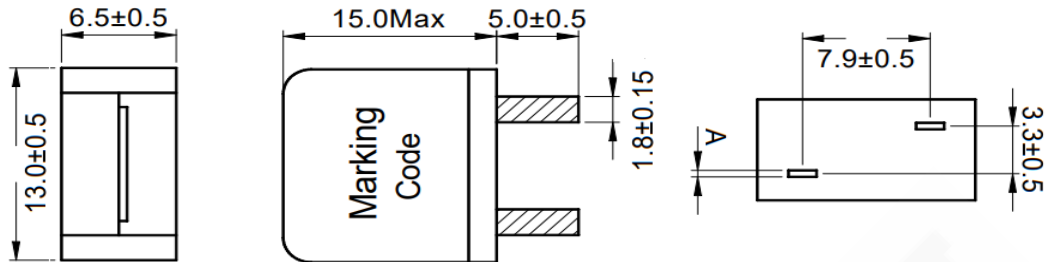
DPAI01-1326-220M





尺寸

Dimension (mm)

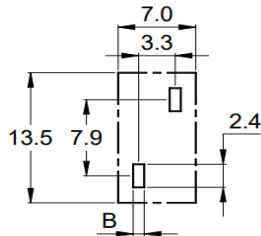


Part No.	4R7 ~ 5R6	8R2 ~ 100	120 ~ 220
Dimension A	0.40 ± 0.15	0.30 ± 0.15	0.20 ± 0.15
Dimension B	0.80	0.60	0.50



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 typ 40°C (A)	直流电阻 DC Resistance DCR _{max} (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packing Qty pcs
DPAI01-1307-4R7M	4.70 ±20%	11.60	5.40	17.00	900
DPAI01-1307-5R6M	5.60 ±20%	11.00	6.30	14.50	900
DPAI01-1307-8R2M	8.20 ±20%	7.80	9.60	12.50	900
DPAI01-1307-100M	10.00 ±20%	7.40	10.50	10.50	900
DPAI01-1307-120M	12.00 ±20%	5.80	17.60	10.00	900
DPAI01-1307-150M	15.00 ±20%	5.60	19.00	9.00	900
DPAI01-1307-180M	18.00 ±20%	5.40	20.20	8.30	900
DPAI01-1307-220M	22.00 ±20%	5.20	21.50	7.00	900

测试状态

Test Condition

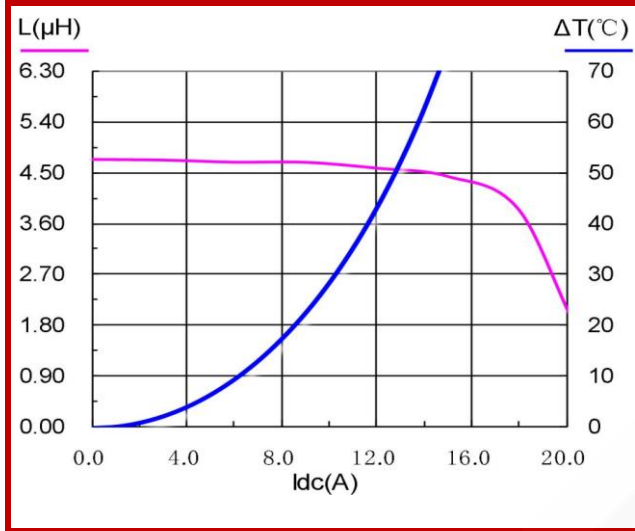
- ☆ 电感测试条件为 1.0kHz, 1.0V
Inductance measure condition at 1.0 kHz/ 1.0V
- ☆ 工作温度: -40°C ~ +125°C
Operating Temperature: -40°C ~ +125°C
- ☆ 饱和电流: 电感值下降其初始值的20%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 20% of initial value



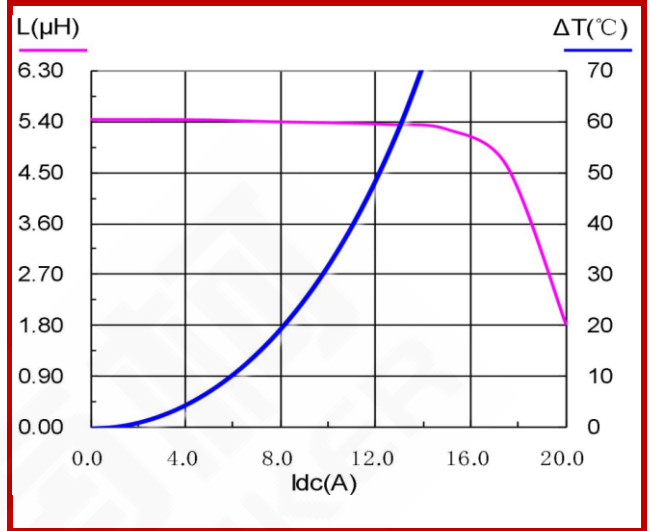
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

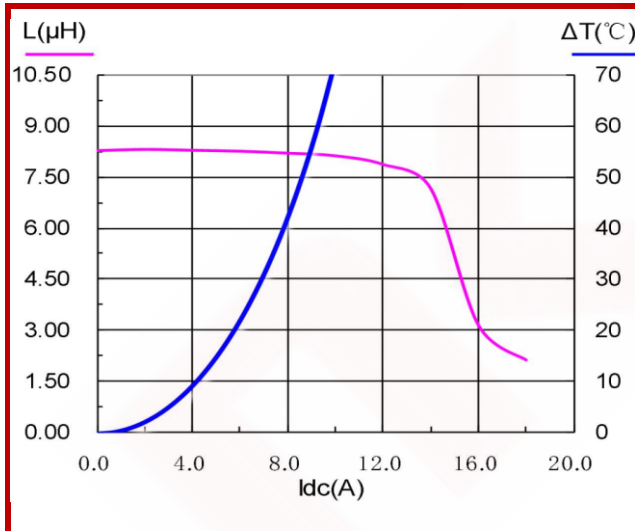
DPAI01-1307-4R7M



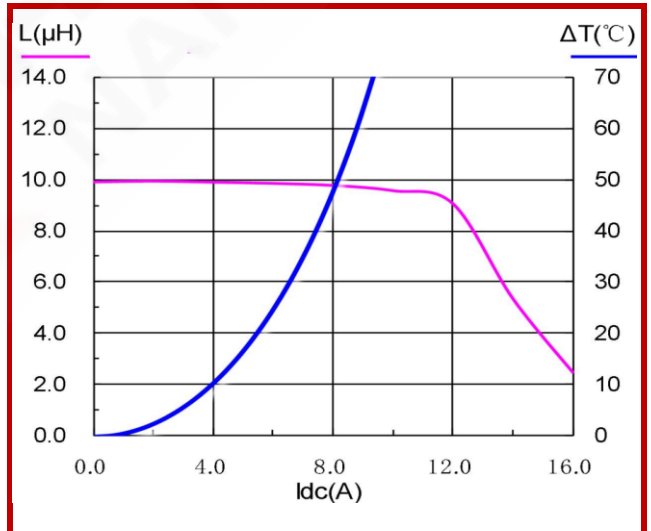
DPAI01-1307-5R6M



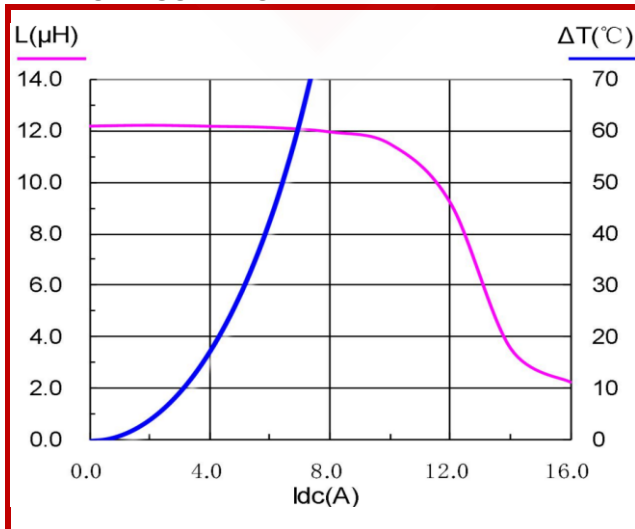
DPAI01-1307-8R2M



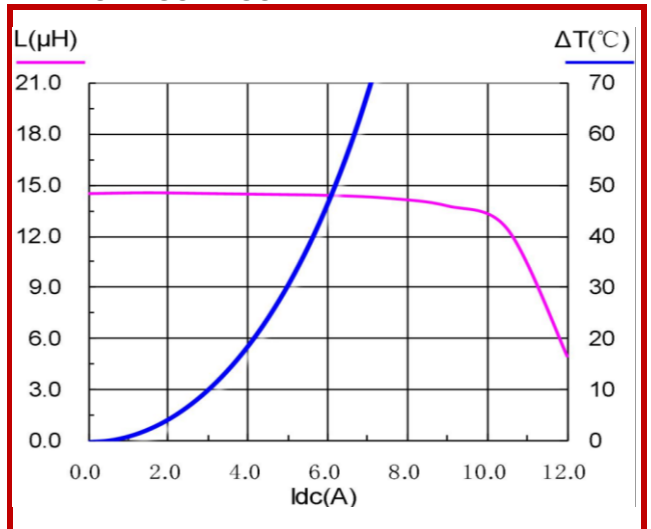
DPAI01-1307-100M



DPAI01-1307-120M



DPAI01-1307-150M

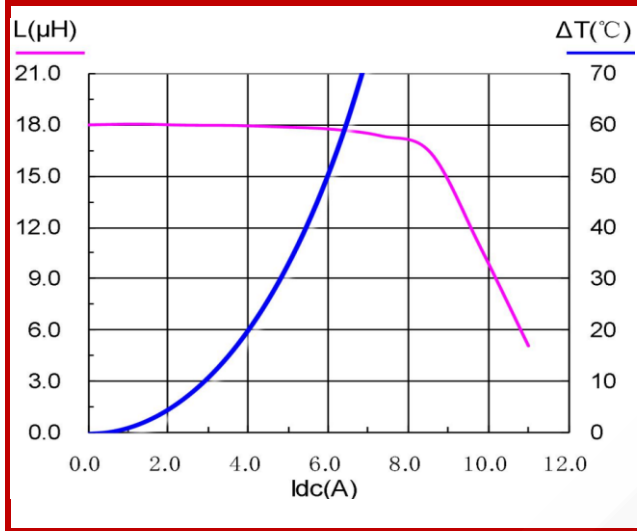




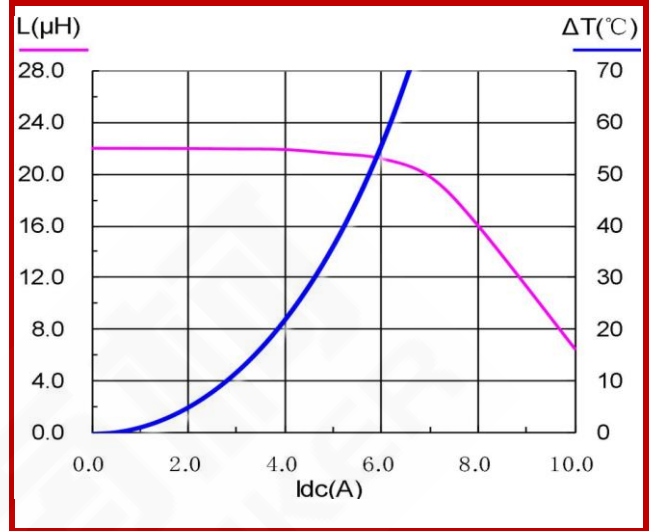
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

DPAI01-1307-180M



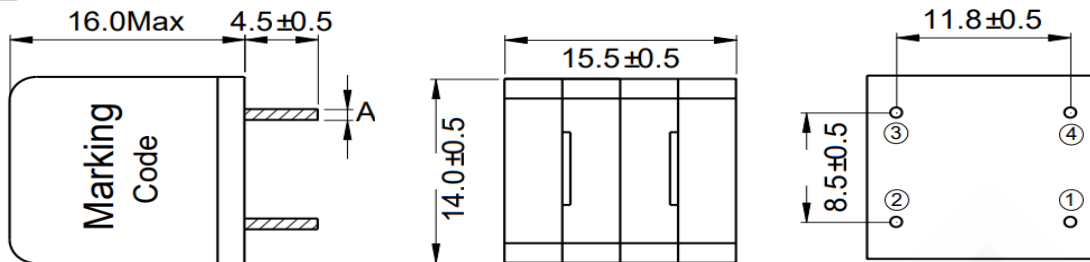
DPAI01-1307-220M





尺寸

Dimension (mm)

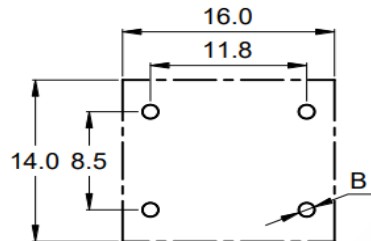


Part No.	4R7 ~ 100	150 ~ 220
Dimension A	0.80 ± 0.10	0.70 ± 0.10
Dimension B	1.20	1.10



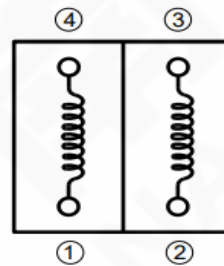
焊盘推荐

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 typ 40°C (A)	直流电阻 DCResistance DCR _{max} (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packing Qty pcs
DPAI01-1415-4R7M	4.70 ±20%	13.00	7.40	17.50	480
DPAI01-1415-6R0M	6.00 ±20%	11.00	8.70	16.10	480
DPAI01-1415-7R5M	7.50 ±20%	9.00	9.80	14.50	480
DPAI01-1415-100M	10.00 ±20%	8.00	11.00	12.30	480
DPAI01-1415-150M	15.00 ±20%	7.00	15.60	9.30	480
DPAI01-1415-180M	18.00 ±20%	6.80	17.10	8.50	480
DPAI01-1415-220M	22.00 ±20%	6.80	17.10	6.90	480

测试状态

Test Condition

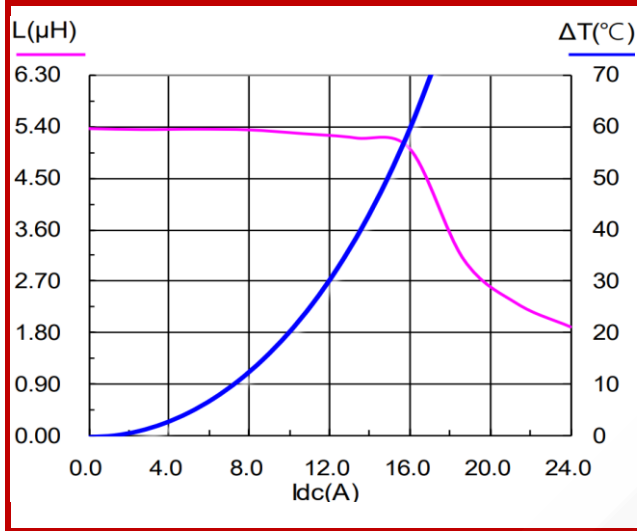
- ☆ 电感测试条件为 1.0kHz, 1.0V
Inductance measure condition at 1.0 kHz/ 1.0V
- ☆ 工作温度: -40°C ~ +125°C
Operating Temperature: -40°C ~ +125°C
- ☆ 饱和电流: 电感值下降其初始值的20%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 20% of initial value



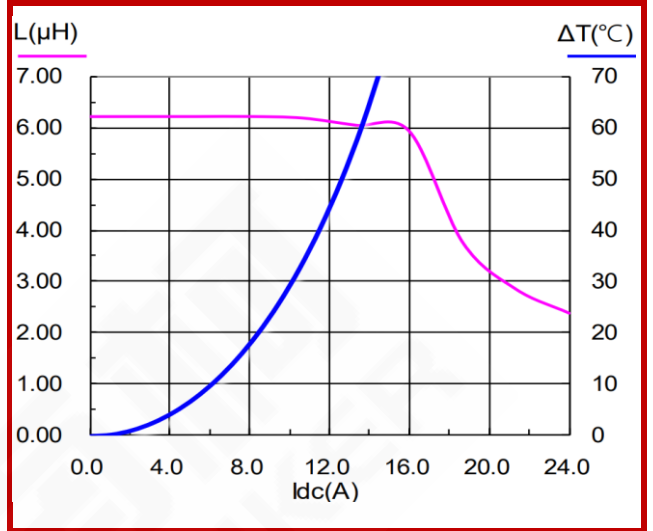
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

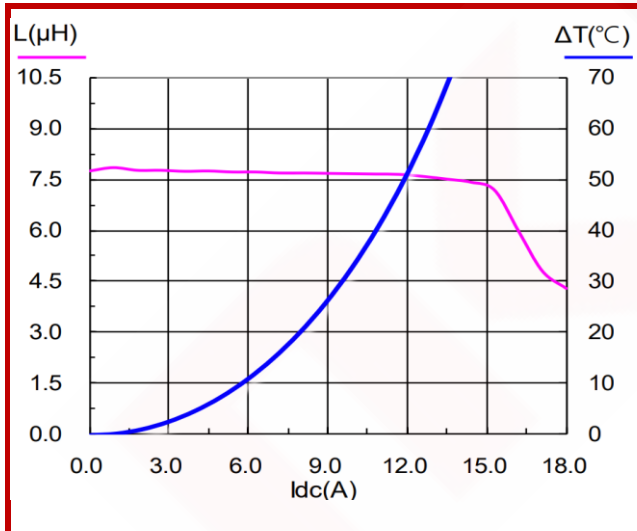
DPAI01-1415-4R7M



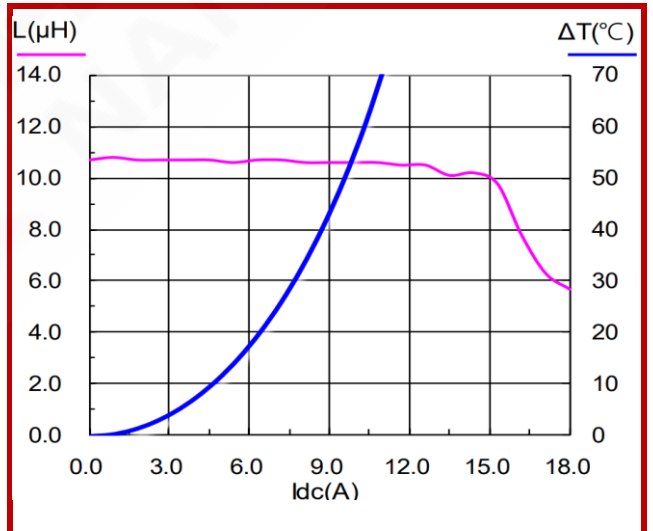
DPAI01-1415-6R0M



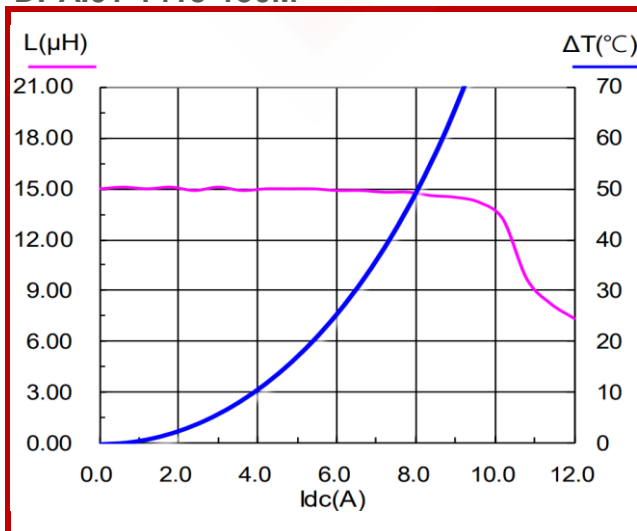
DPAI01-1415-7R5M



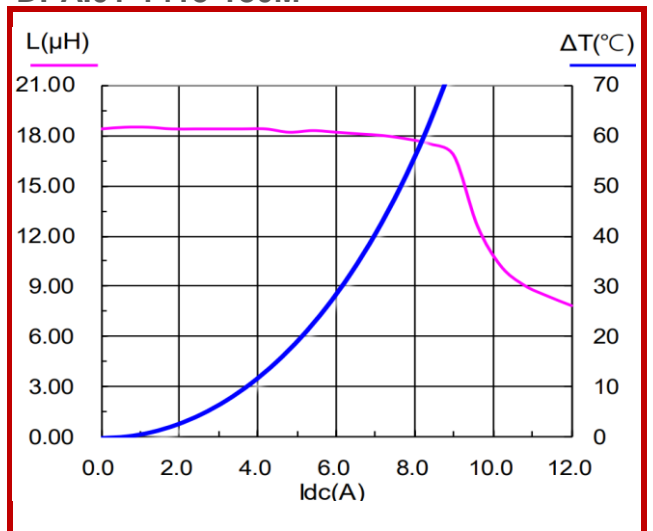
DPAI01-1415-100M



DPAI01-1415-150M



DPAI01-1415-180M

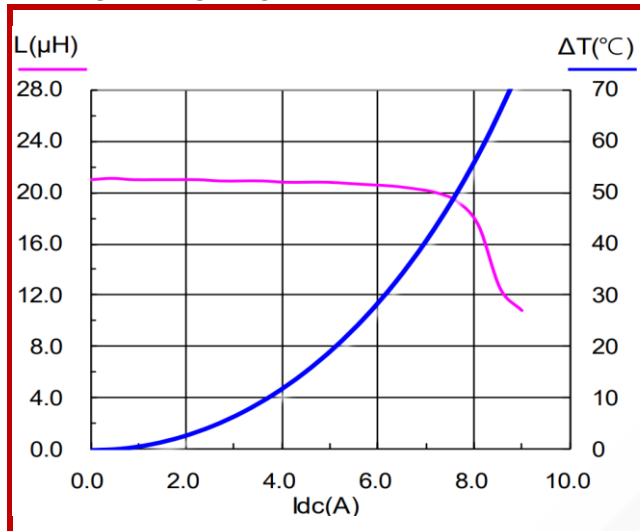


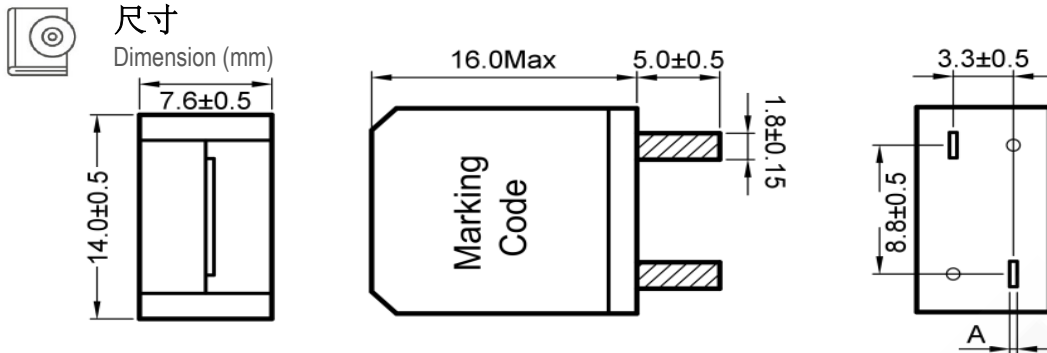


饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

DPAI01-1415-220M

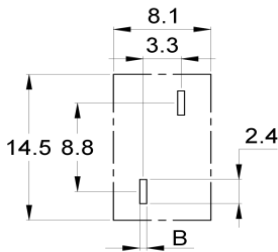




Part No.	4R7	6R8 ~ 8R2	100 ~ 220
Dimension A	0.45 ± 0.15	0.33 ± 0.15	0.30 ± 0.15
Dimension B	0.80	0.65	0.60

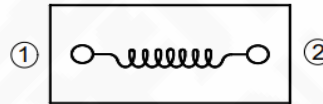
焊盘推荐

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 typ 40°C (A)	直流电阻 DC Resistance DCR _{max} (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packing Qty pcs
DPAI01-1408-4R7M	4.70 ±20%	10.50	5.90	21.00	450
DPAI01-1408-6R8M	6.80 ±20%	8.70	10.00	21.00	450
DPAI01-1408-8R2M	8.20 ±20%	8.70	10.00	17.50	450
DPAI01-1408-100M	10.00 ±20%	8.00	12.00	14.00	450
DPAI01-1408-120M	12.00 ±20%	8.00	12.00	12.00	450
DPAI01-1408-150M	15.00 ±20%	8.00	12.00	9.50	450
DPAI01-1408-220M	22.00 ±20%	8.00	12.00	6.20	450

测试状态

Test Condition

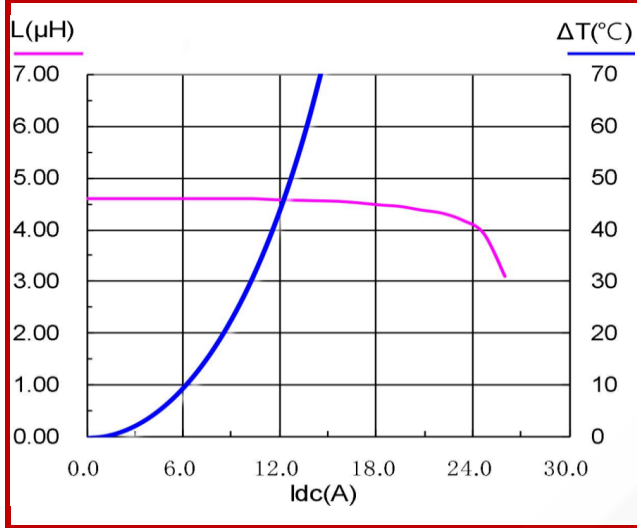
- ☆ 电感测试条件为 1.0kHz, 0.25V
Inductance measure condition at 1.0 kHz/ 0.25V
- ☆ 工作温度: -40°C ~ +125°C
Operating Temperature: -40°C ~ +125°C
- ☆ 饱和电流: 电感值下降其初始值的20%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 20% of initial value



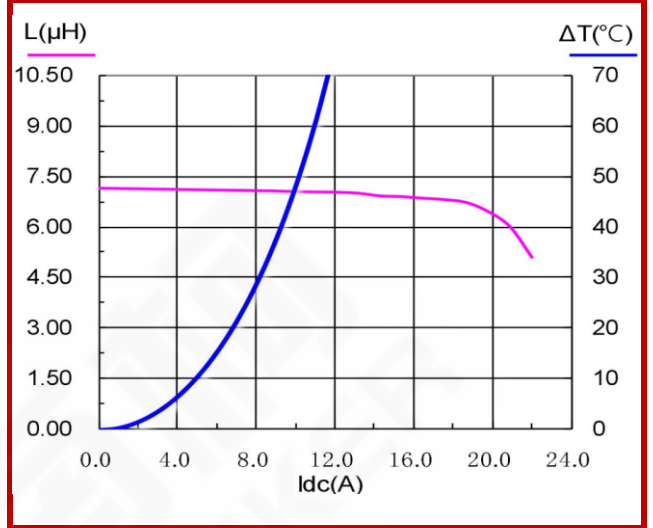
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

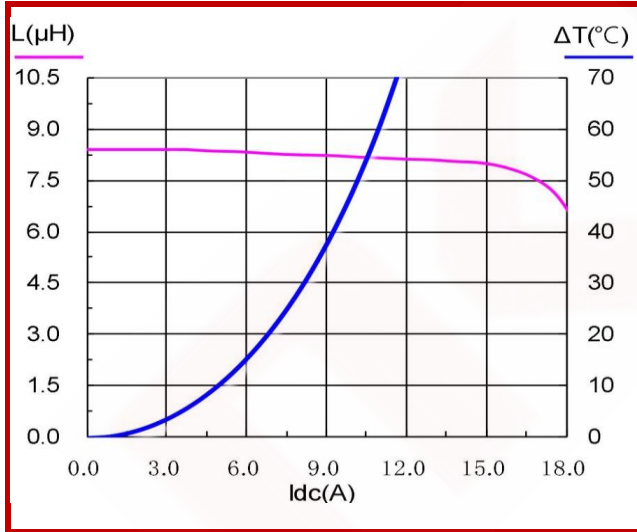
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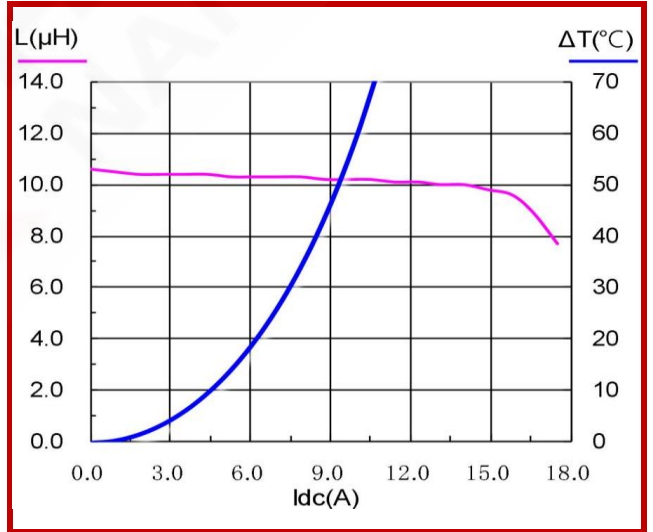
DPAI01-1408-6R8M



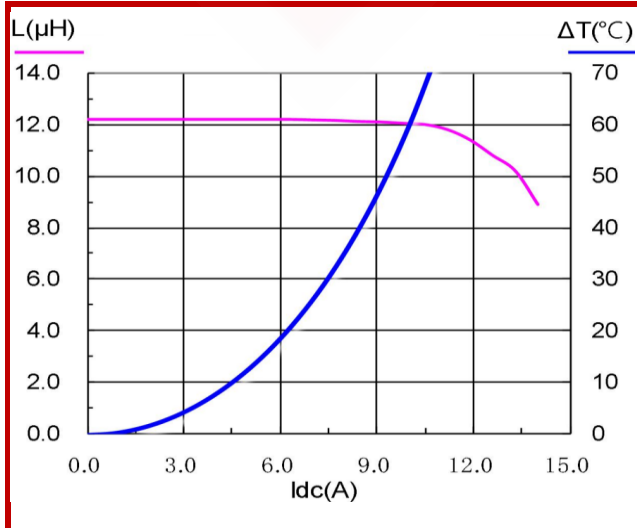
DPAI01-1408-8R2M



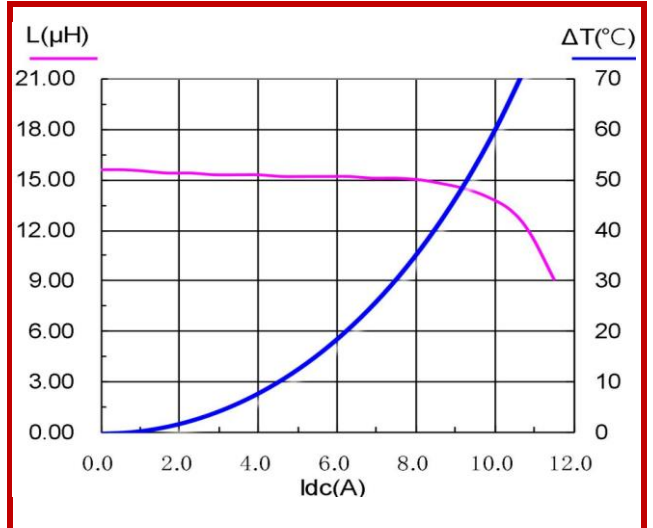
DPAI01-1408-100M



DPAI01-1408-120M



DPAI01-1408-150M

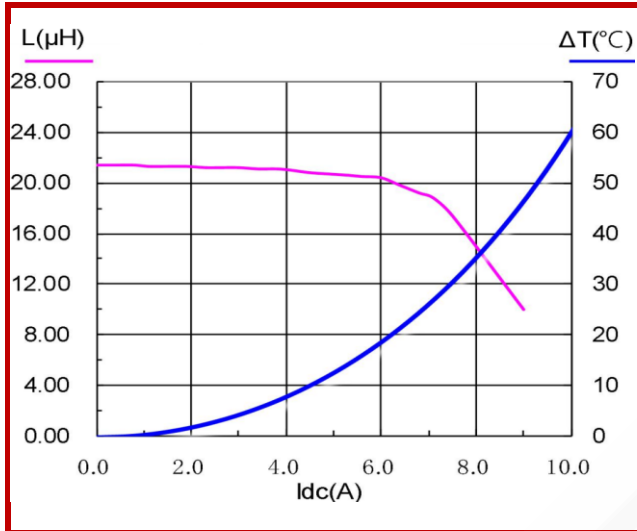




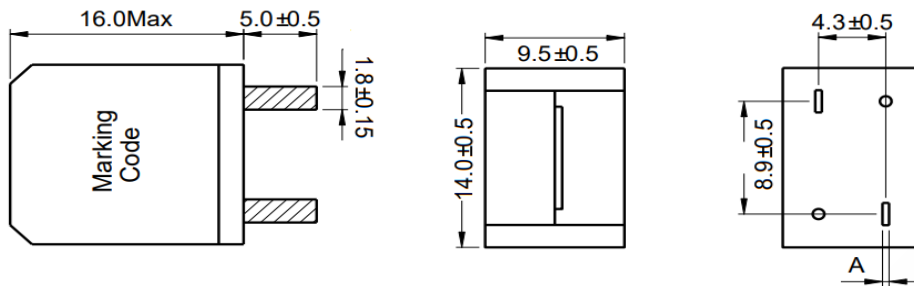
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

DPAI01-1408-220M



尺寸 Dimension (mm)



Part No.	4R7 ~ 8R2	120	150 ~ 220
Dimension A	0.50 ± 0.15	0.43 ± 0.15	0.33 ± 0.15
Dimension B	0.90	0.80	0.60

焊盘推荐 Land Pattern Recommended (mm)

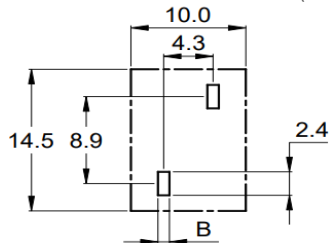
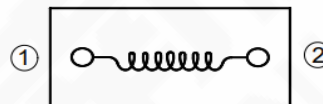


示意图 Schematics



产品尺寸 Product Dimension

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r typ 40°C (A)	直流电阻 DC Resistance DCR _{max} (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packing Qty pcs
DPAI01-1410-4R7M	4.70 ±20%	14.00	5.00	22.00	640
DPAI01-1410-6R8M	6.80 ±20%	12.00	6.00	17.50	640
DPAI01-1410-8R2M	8.20 ±20%	11.00	6.80	16.00	640
DPAI01-1410-120M	12.00 ±20%	10.00	8.00	12.50	640
DPAI01-1410-150M	15.00 ±20%	7.30	15.70	9.50	640
DPAI01-1410-220M	22.00 ±20%	7.00	17.00	9.20	640

测试状态

Test Condition

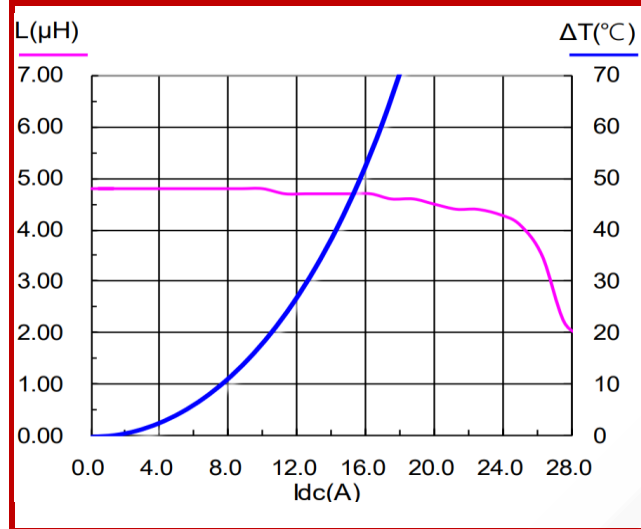
- ☆ 电感测试条件为 1.0kHz, 0.25V
Inductance measure condition at 1.0 kHz/ 0.25V
- ☆ 工作温度: -40°C ~ +125°C
Operating Temperature: -40°C ~ +125°C
- ☆ 饱和电流: 电感值下降其初始值的20%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 20% of initial value



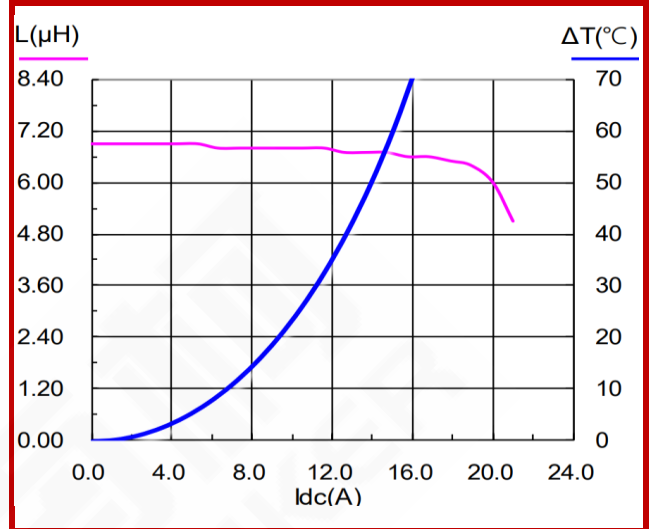
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

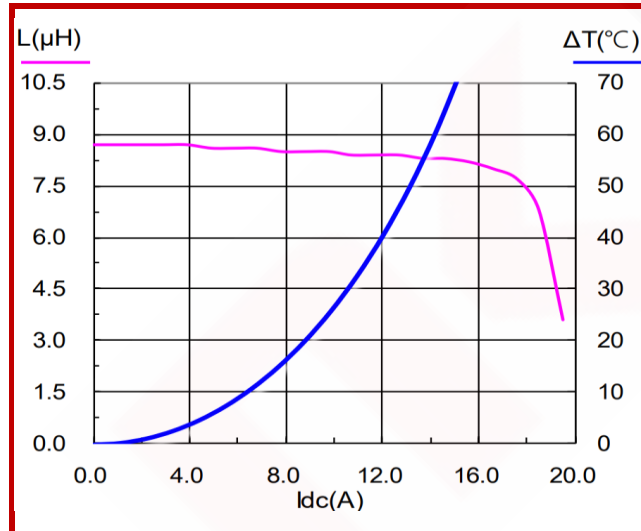
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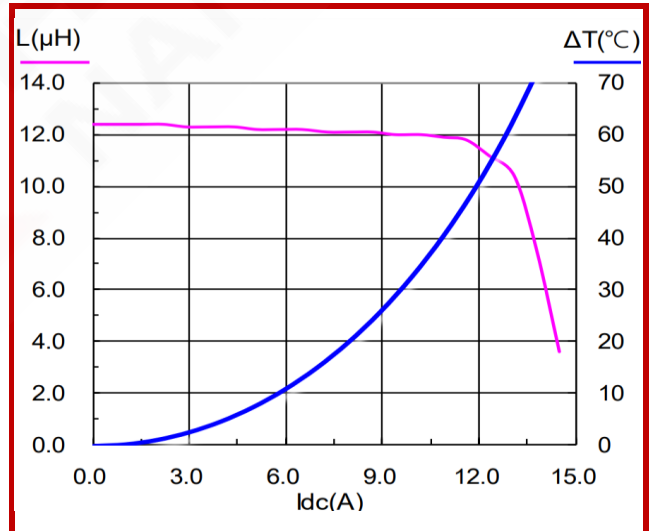
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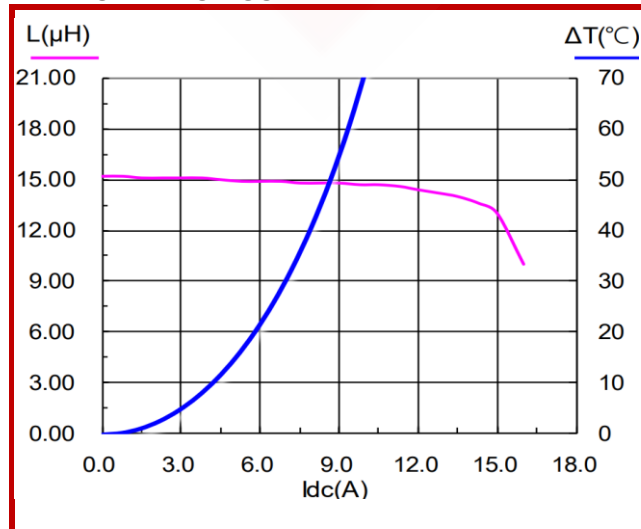
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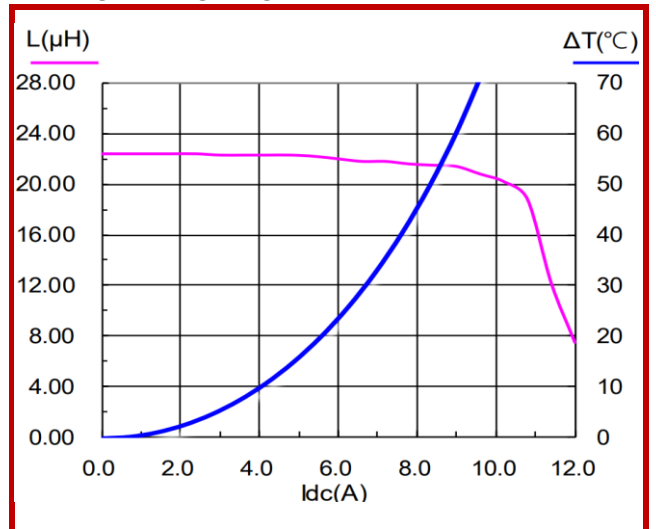
DPAI01-1410-120M



DPAI01-1410-150M



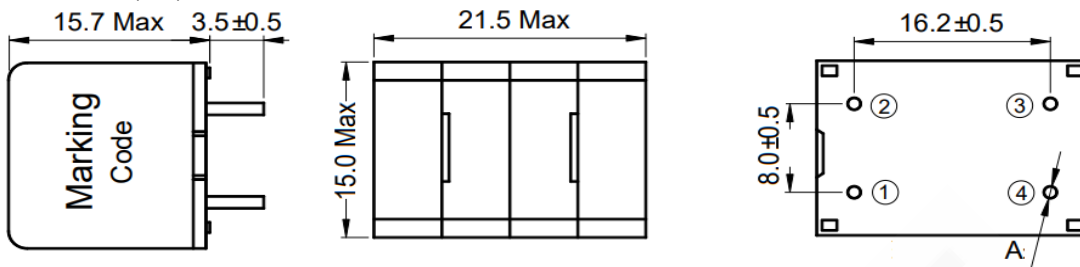
DPAI01-1410-220M





尺寸

Dimension (mm)

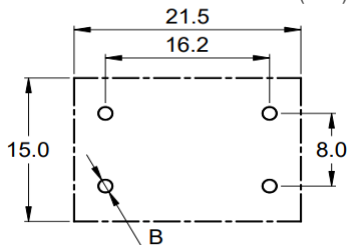


Part No.	8R2	100	150	220
Dimension A	1.00 ± 0.20	1.00 ± 0.20	0.80 ± 0.20	0.80 ± 0.20
Dimension B	1.40	1.40	1.20	1.20



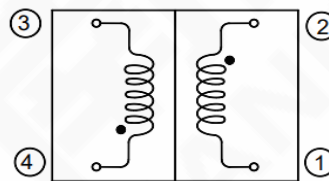
焊盘推荐

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 typ 40°C (A)	直流电阻 DC Resistance DCR _{max} (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packing Qty pcs
DPAI01-1521-8R2M	8.20 ±20%	12.00	7.50	16.00	240
DPAI01-1521-100M	10.00 ±20%	11.00	8.40	15.00	240
DPAI01-1521-150M	15.00 ±20%	8.50	15.00	12.50	240
DPAI01-1521-220M	22.00 ±20%	8.00	16.00	10.00	240

测试状态

Test Condition

☆ 电感测试条件为 1.0kHz, 0.25V

Inductance measure condition at 1.0 kHz/ 0.25V

☆ 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20%时所加载的实际直流电流值

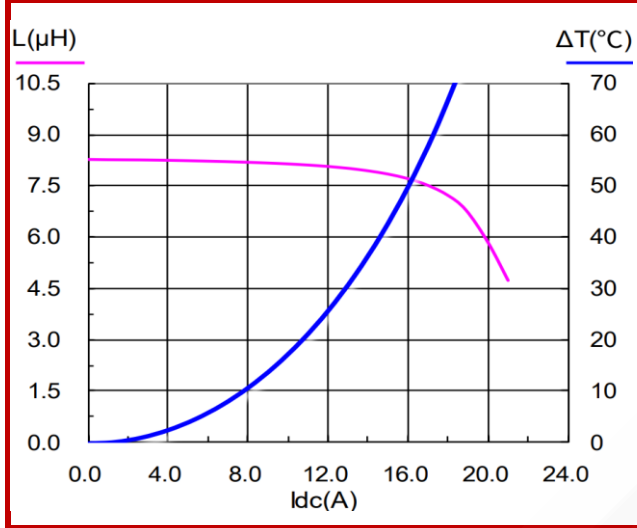
Saturation Current: The actual value of DC current when the inductance drop 20% of initial value



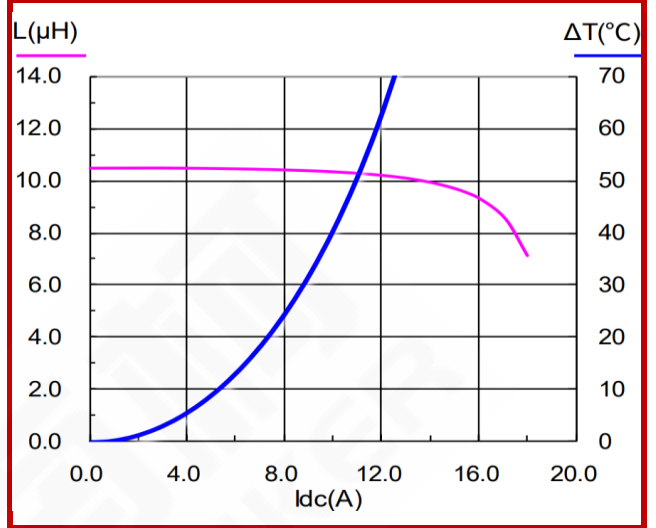
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

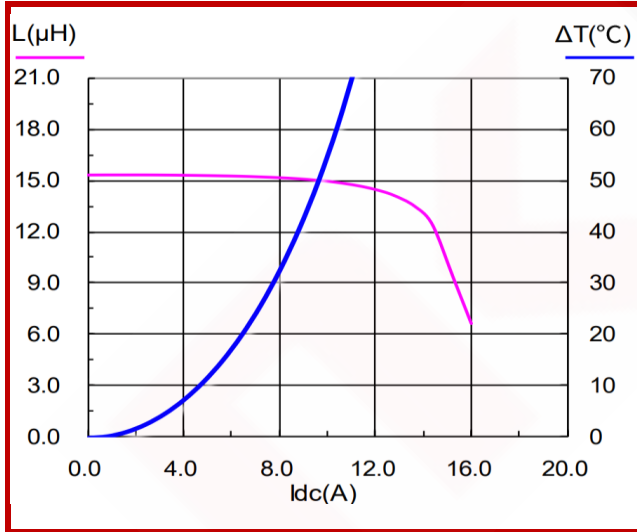
DPAI01-1521-8R2M



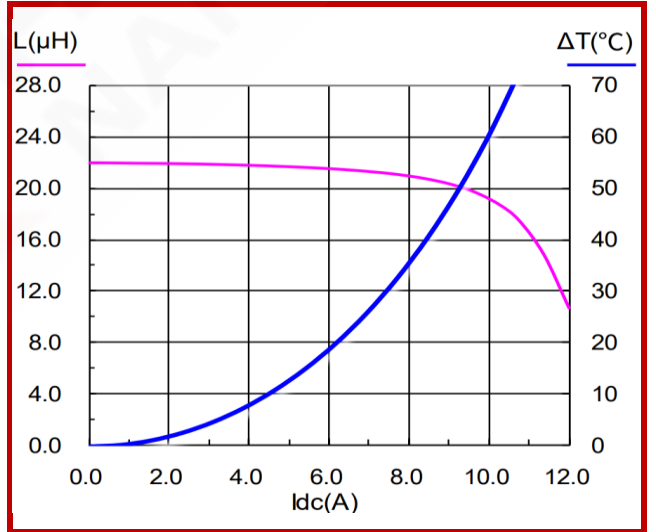
DPAI01-1521-100M



DPAI01-1521-150M



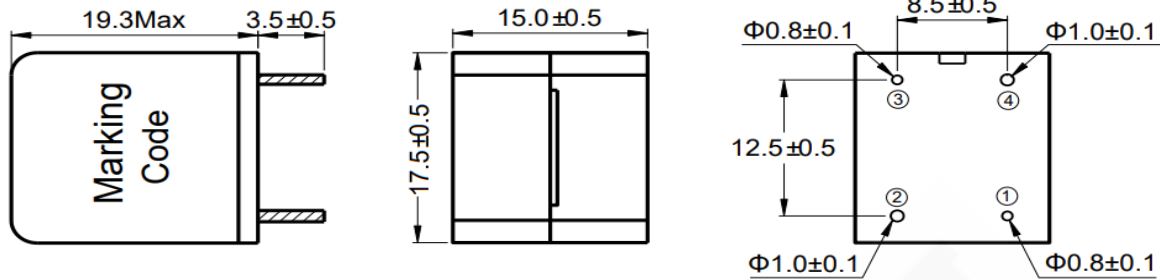
DPAI01-1521-220M





尺寸

Dimension (mm)

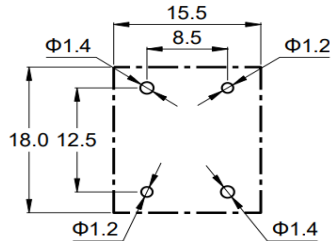


Part No.	8R2	100	150	220
Dimension A	1.00 ± 0.20	1.00 ± 0.20	0.80 ± 0.20	0.80 ± 0.20
Dimension B	1.40	1.40	1.20	1.20



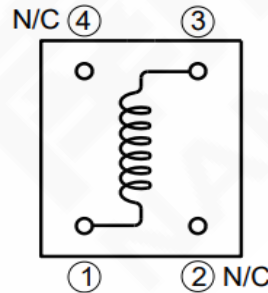
焊盘推荐

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 typ 40°C (A)	直流电阻 DCResistance DCR _{max} (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packing Qty pcs
DPAI01-1716-100M	10.00 ±20%	8.20	14.00	26.00	270
DPAI01-1716-120M	12.00 ±20%	8.20	14.00	25.00	270
DPAI01-1716-150M	15.00 ±20%	8.20	14.00	18.00	270
DPAI01-1716-180M	18.00 ±20%	8.20	14.00	16.00	270
DPAI01-1716-220M	22.00 ±20%	8.20	14.00	13.00	270
DPAI01-1716-330M	33.00 ±20%	8.20	14.00	8.00	270
DPAI01-1716-560M	56.00 ±20%	8.20	14.00	6.00	270

测试状态

Test Condition

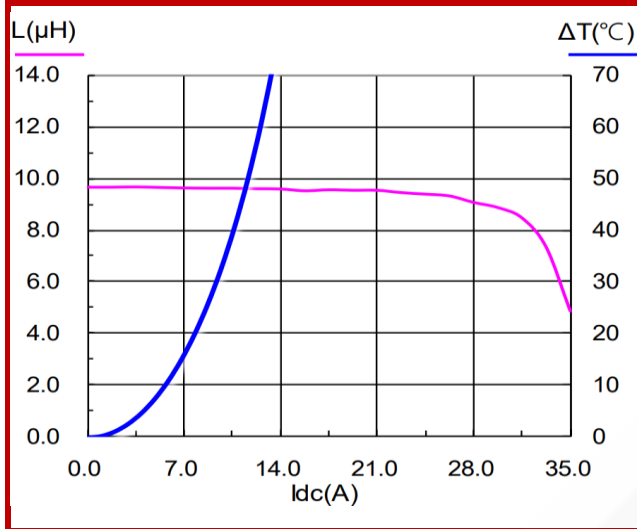
- ☆ 电感测试条件为 1.0kHz, 1.0V
Inductance measure condition at 1.0 kHz/ 1.0V
- ☆ 工作温度: -40°C ~ +125°C
Operating Temperature: -40°C ~ +125°C
- ☆ 饱和电流: 电感值下降其初始值的20%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 20% of initial value



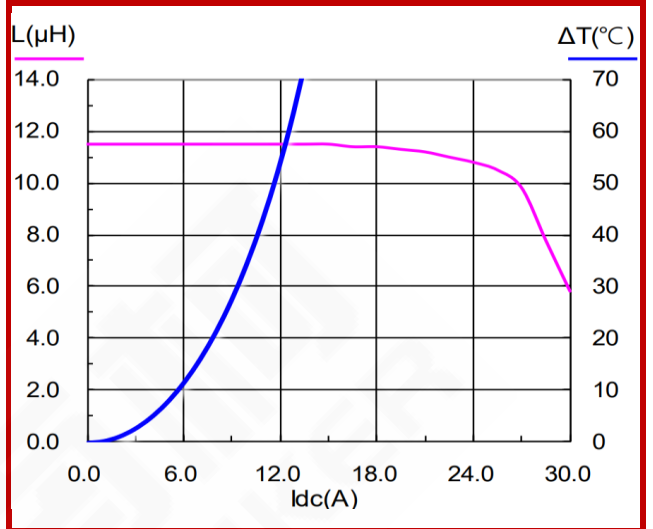
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

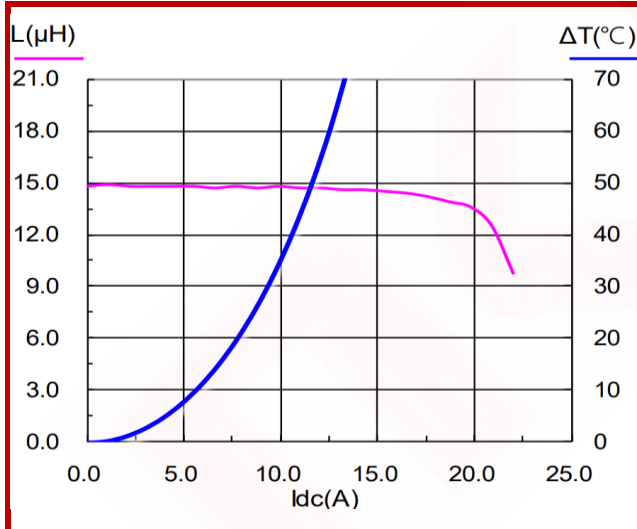
DPAI01-1716-100M



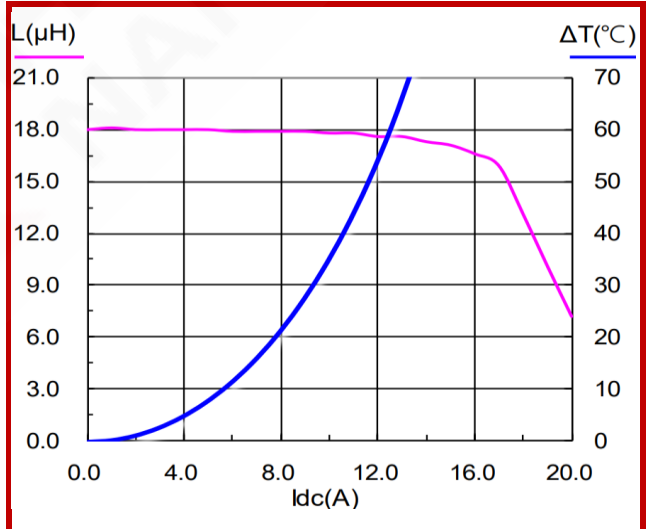
DPAI01-1716-120M



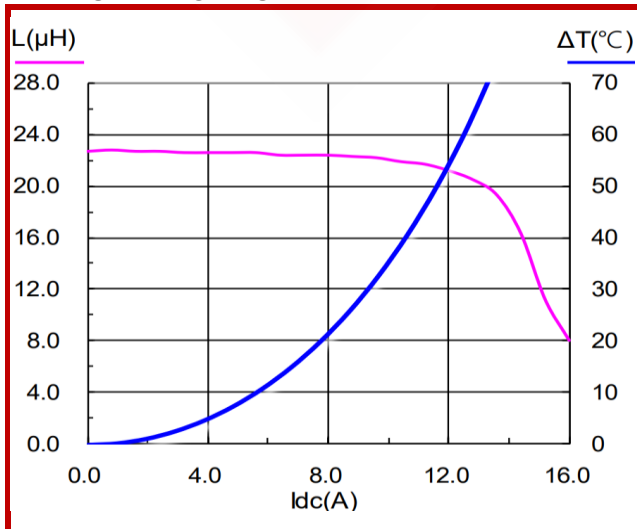
DPAI01-1716-150M



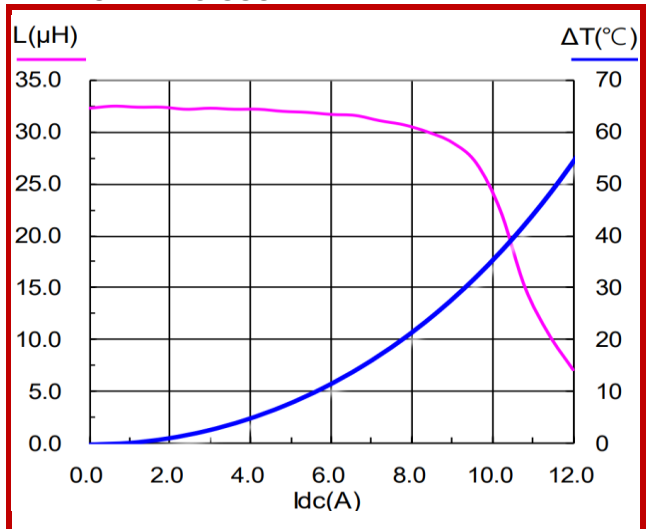
DPAI01-1716-180M



DPAI01-1716-220M



DPAI01-1716-330M

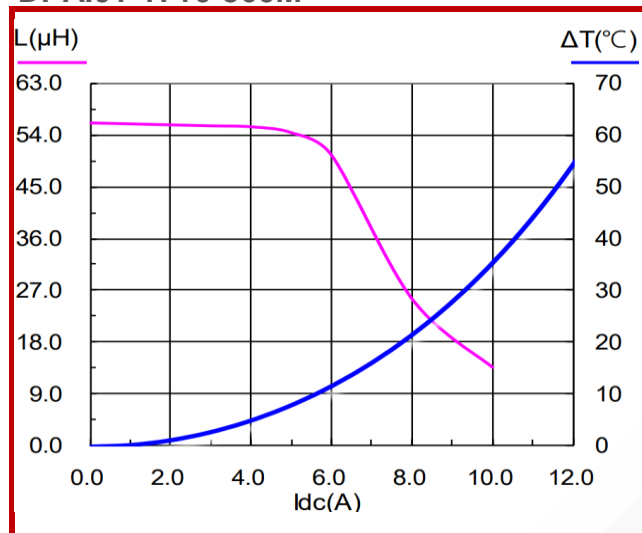




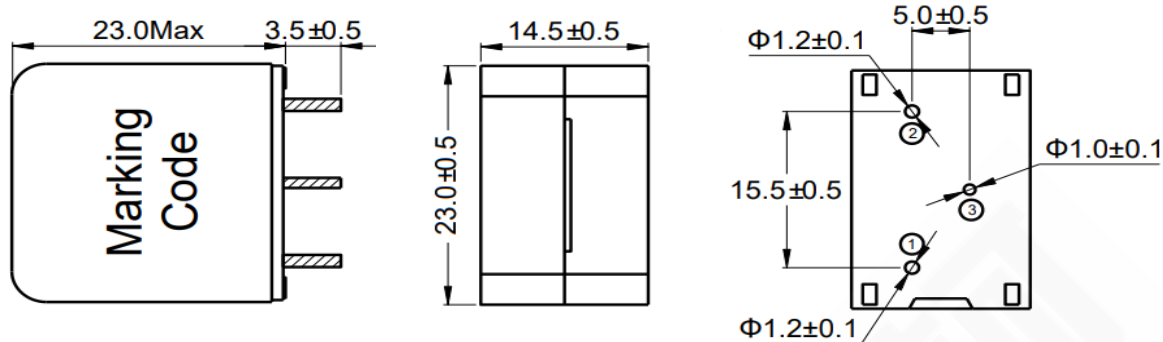
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

DPAI01-1716-560M



尺寸 Dimension (mm)



焊盘推荐 Land Pattern Recommended (mm)

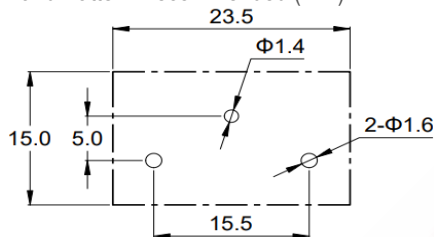
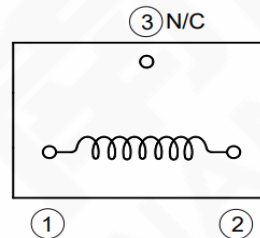


示意图 Schematics



产品尺寸 Product Dimension

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r typ 40°C (A)	直流电阻 DC Resistance DCR _{max} (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packing Qty pcs
DPAI01-2315-100M	10.00 ±20%	14.00	7.80	39.00	270
DPAI01-2315-120M	12.00 ±20%	14.00	7.80	33.50	270
DPAI01-2315-150M	15.00 ±20%	13.00	8.60	30.20	270
DPAI01-2315-180M	18.00 ±20%	14.00	7.80	23.00	270
DPAI01-2315-220M	22.00 ±20%	13.00	8.60	20.50	270
DPAI01-2315-330M	33.00 ±20%	13.00	8.60	12.00	270
DPAI01-2315-470M	47.00 ±20%	13.00	8.60	11.00	270

测试状态

Test Condition

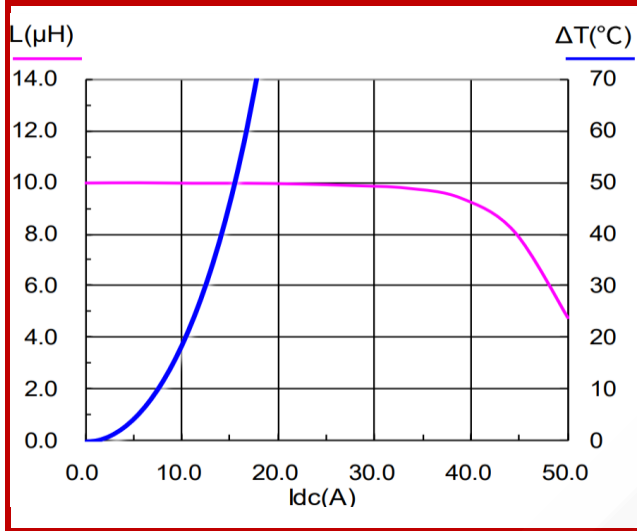
- ☆ 电感测试条件为 100kHz, 1.0V
Inductance measure condition at 100 kHz/ 1.0V
- ☆ 工作温度: -40°C ~ +125°C
Operating Temperature: -40°C ~ +125°C
- ☆ 饱和电流: 电感值下降其初始值的20%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 20% of initial value



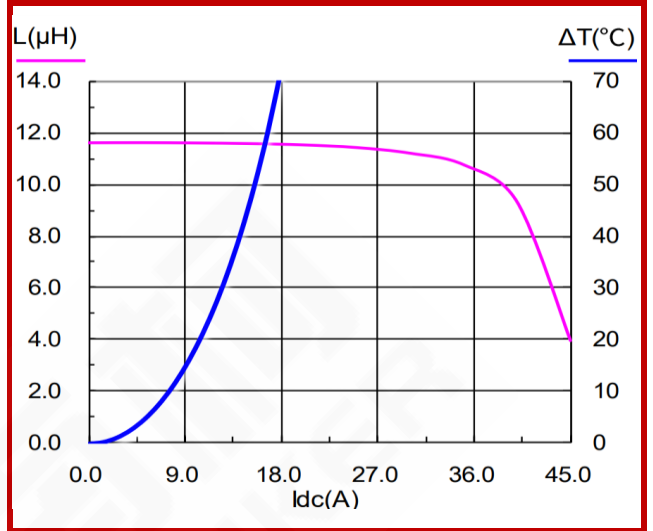
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

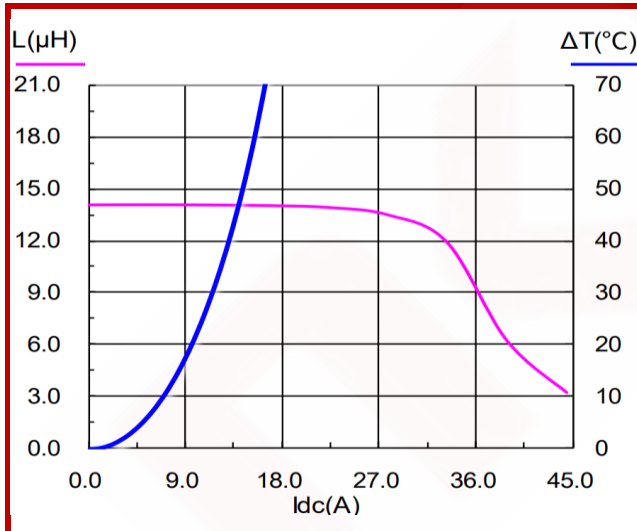
DPAI01-2315-100M



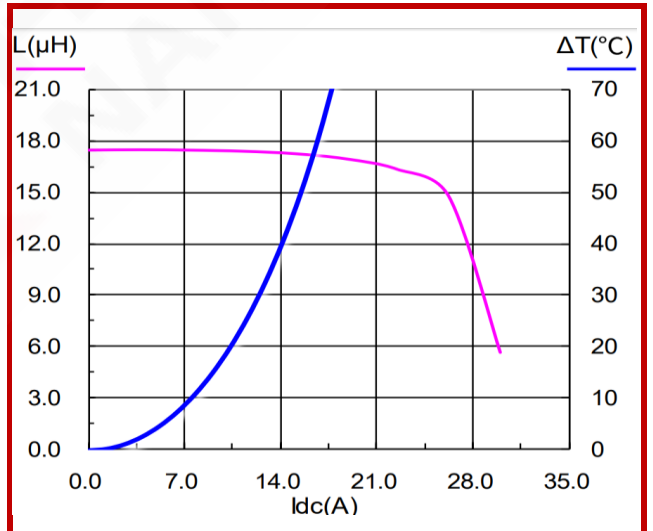
DPAI01-2315-120M



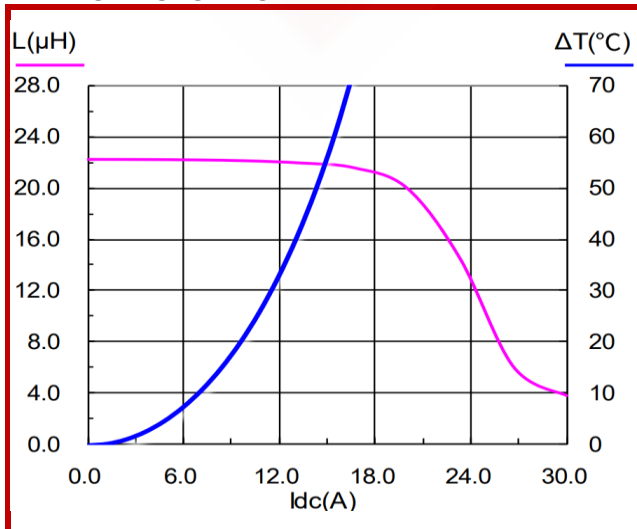
DPAI01-2315-150M



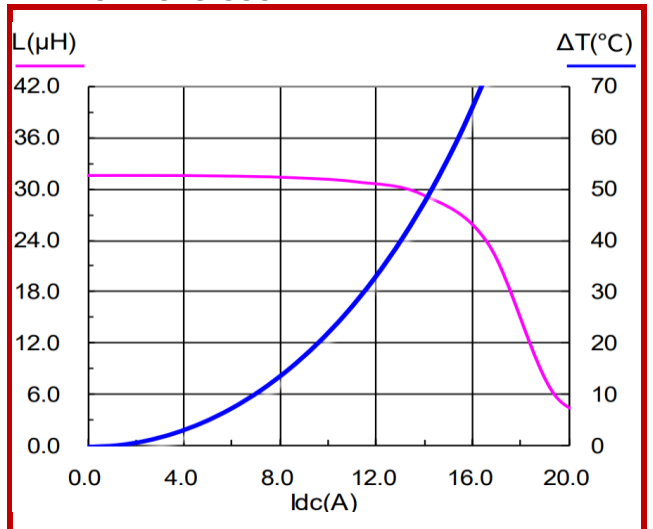
DPAI01-2315-180M



DPAI01-2315-220M



DPAI01-2315-330M

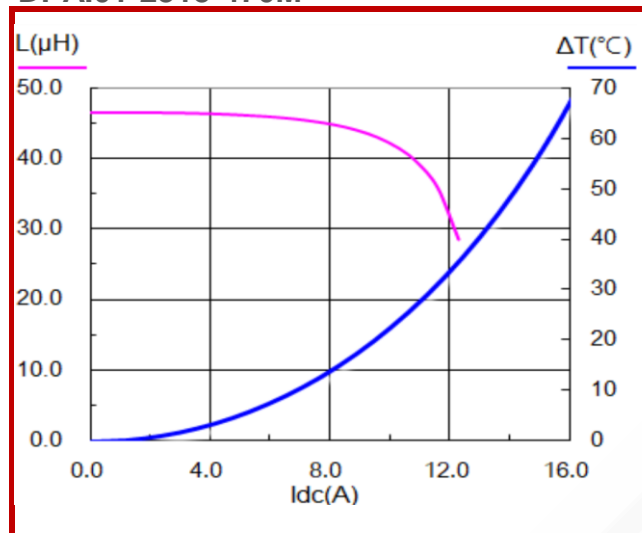




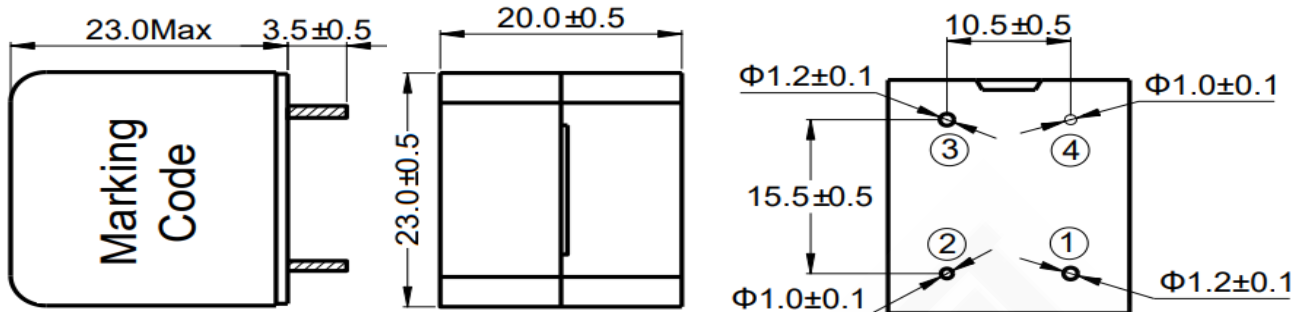
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

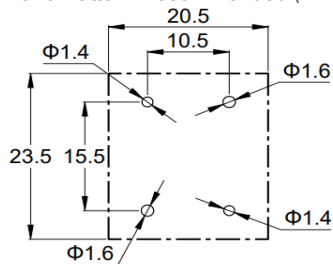
DPAI01-2315-470M



尺寸 Dimension (mm)

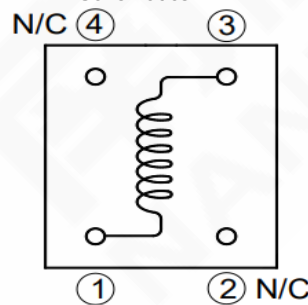


焊盘推荐 Land Pattern Recommended (mm)



产品尺寸 Product Dimension

示意图 Schematics



型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r typ 40°C (A)	直流电阻 DC Resistance DCR _{max} (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packing Qty pcs
DPAI01-2320-100M	10.00 ±20%	14.00	9.30	43.00	270
DPAI01-2320-120M	12.00 ±20%	14.00	9.30	37.00	270
DPAI01-2320-150M	15.00 ±20%	14.00	9.30	30.40	270
DPAI01-2320-180M	18.00 ±20%	14.00	9.30	25.70	270
DPAI01-2320-220M	22.00 ±20%	14.00	9.30	21.00	270
DPAI01-2320-330M	33.00 ±20%	14.00	9.30	13.60	270

测试状态

Test Condition

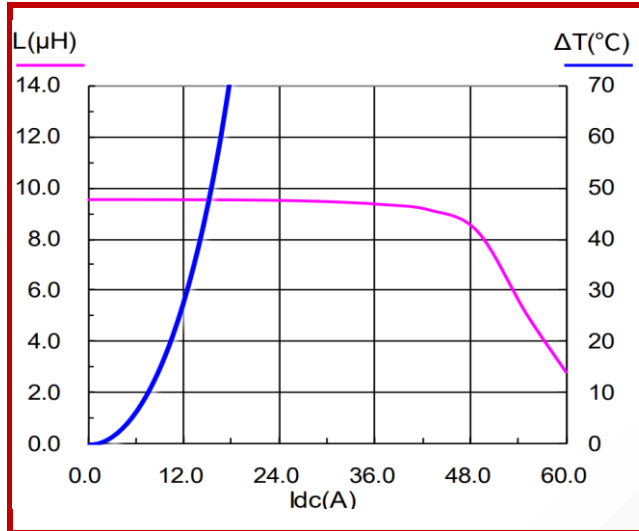
- ☆ 电感测试条件为 100kHz, 1.0V
Inductance measure condition at 100 kHz/ 1.0V
- ☆ 工作温度: -40°C ~ +125°C
Operating Temperature: -40°C ~ +125°C
- ☆ 饱和电流: 电感值下降其初始值的20%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 20% of initial value



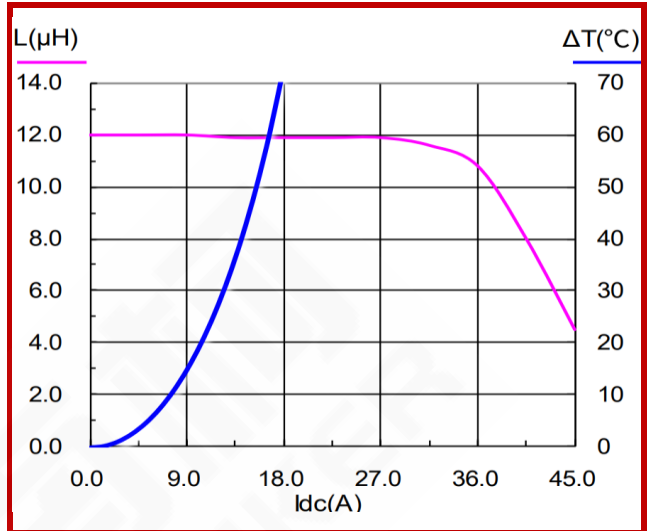
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

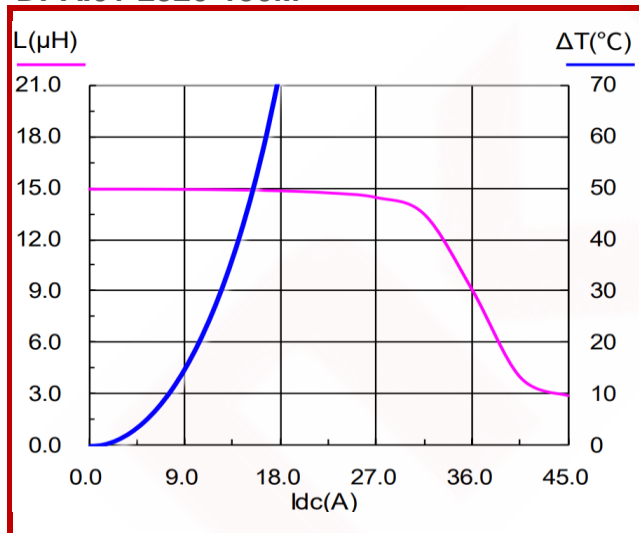
DPAI01-2320-100M



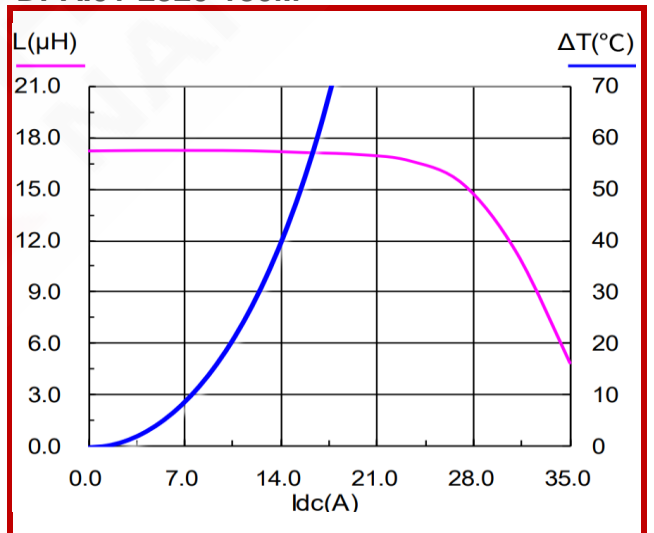
DPAI01-2320-120M



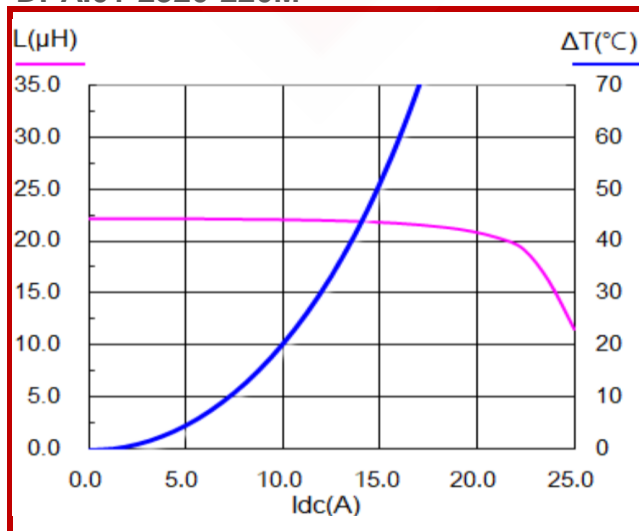
DPAI01-2320-150M



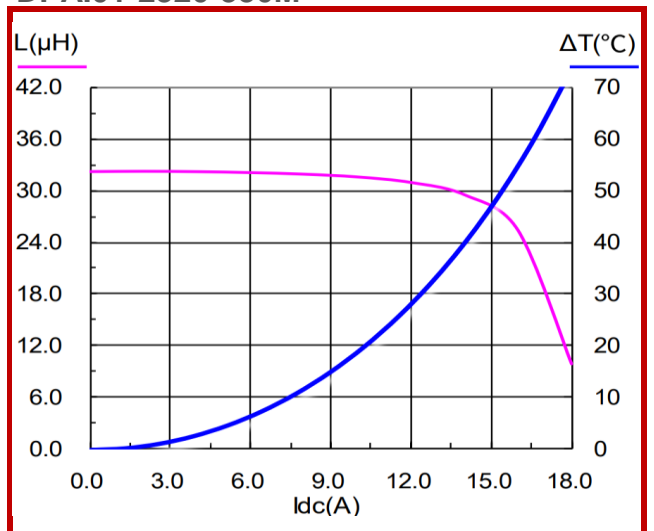
DPAI01-2320-180M



DPAI01-2320-220M



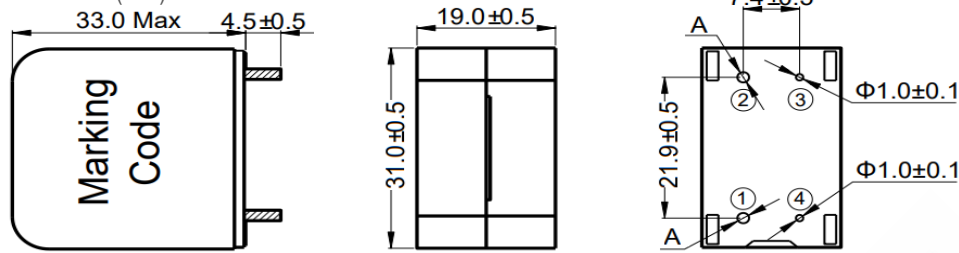
DPAI01-2320-330M





尺寸

Dimension (mm)

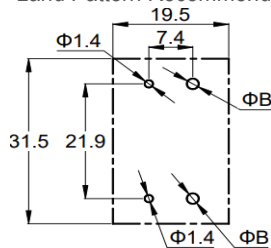


Part No.	5R0 ~ 8R2	100 ~ 330
Dimension A	1.80 ± 0.10	1.60 ± 0.10
Dimension B	2.20	2.00



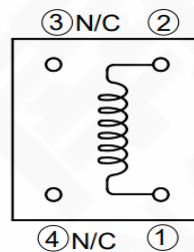
焊盘推荐

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 typ 40°C (A)	直流电阻 DC Resistance DCR _{max} (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packing Qty pcs
DPAI01-3119-5R0M	5.00 ±20%	28.00	2.60	70.00	81
DPAI01-3119-5R6M	5.60 ±20%	28.00	2.60	65.00	81
DPAI01-3119-8R2M	8.20 ±20%	26.00	3.10	55.00	81
DPAI01-3119-100M	10.00 ±20%	17.00	5.70	61.00	81
DPAI01-3119-120M	12.00 ±20%	17.00	5.70	53.00	81
DPAI01-3119-150M	15.00 ±20%	15.50	6.40	47.00	81
DPAI01-3119-180M	18.00 ±20%	17.00	5.70	36.50	81
DPAI01-3119-220M	22.00 ±20%	15.50	6.40	33.00	81
DPAI01-3119-330M	33.00 ±20%	15.50	6.40	21.50	81

测试状态

Test Condition

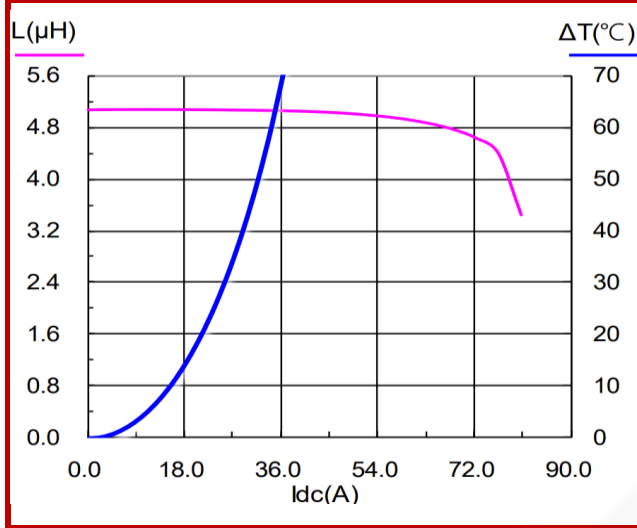
- ☆ 电感测试条件为 100kHz, 1.0V
Inductance measure condition at 100 kHz/ 1.0V
- ☆ 工作温度: -40°C ~ +125°C
Operating Temperature: -40°C ~ +125°C
- ☆ 饱和电流: 电感值下降其初始值的20%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 20% of initial value



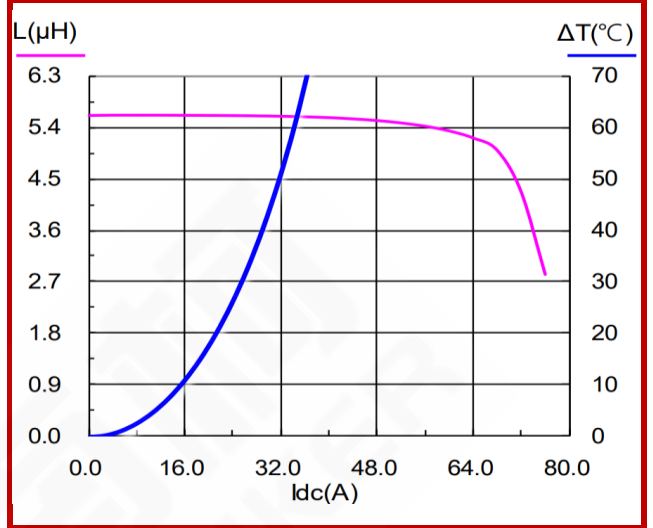
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

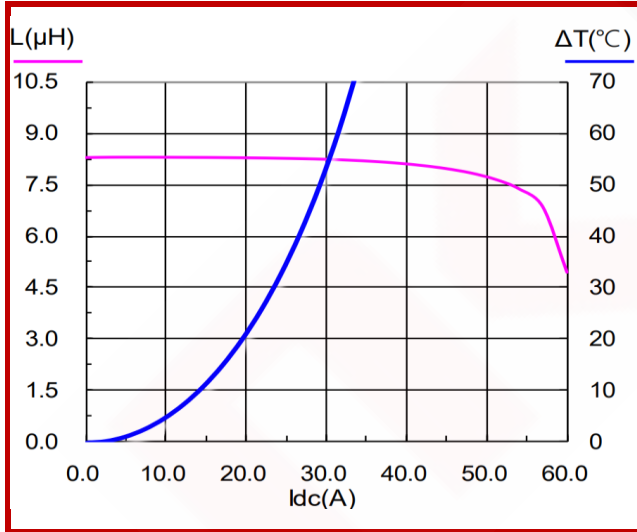
DPAI01-3119-5R0M



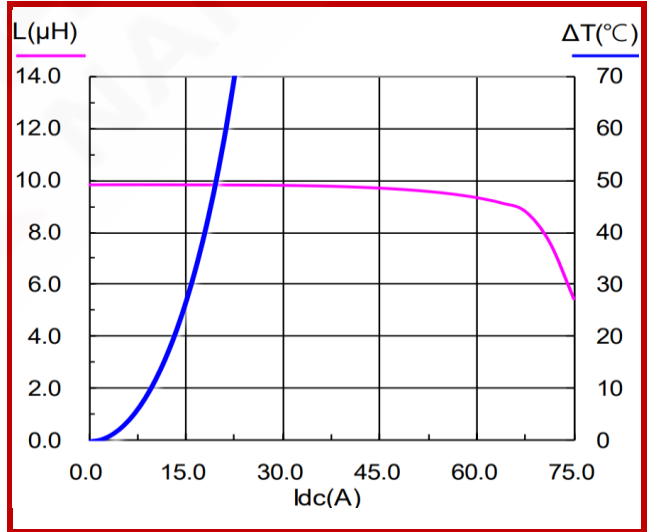
DPAI01-3119-5R6M



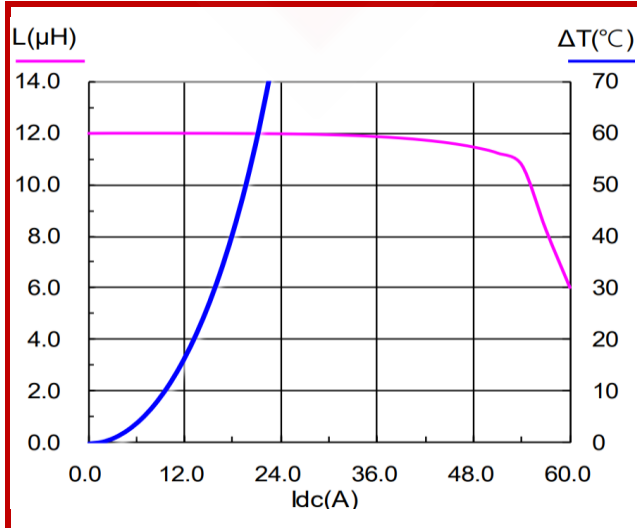
DPAI01-3119-8R2M



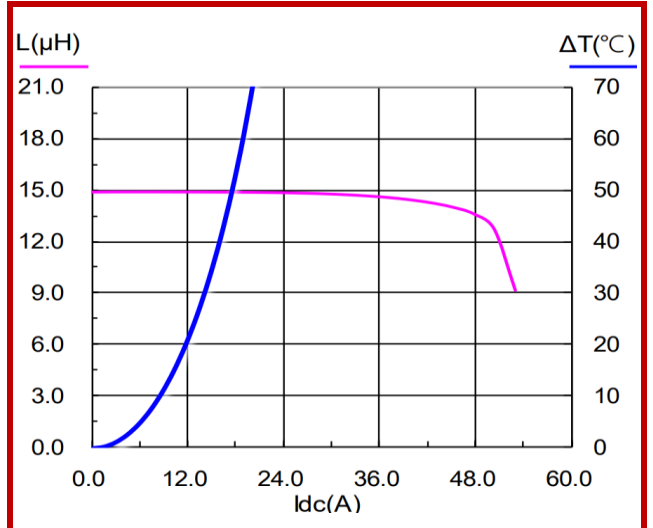
DPAI01-3119-100M

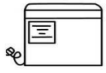


DPAI01-3119-120M



DPAI01-3119-150M

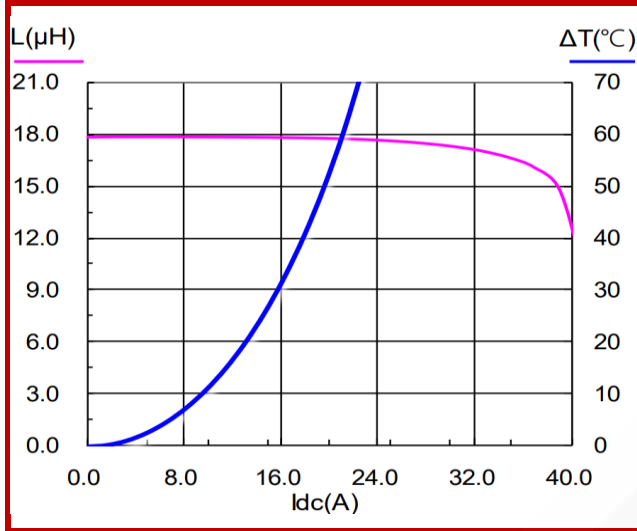




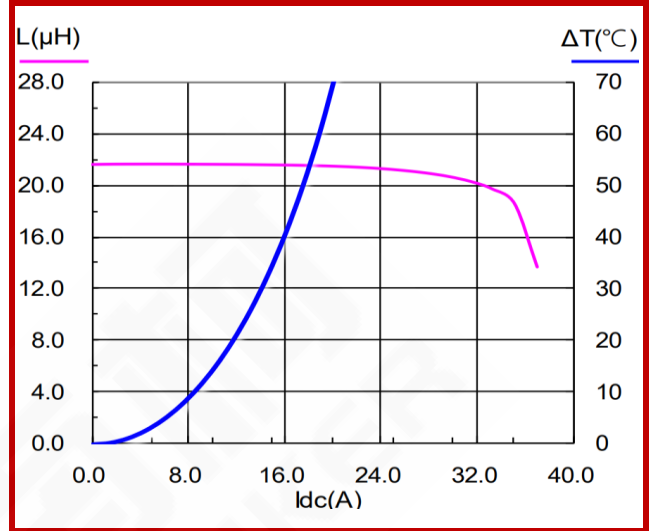
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

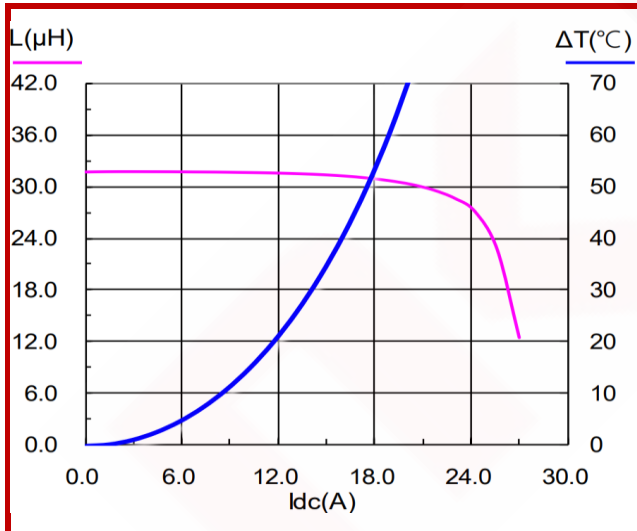
DPAI01-3119-180M



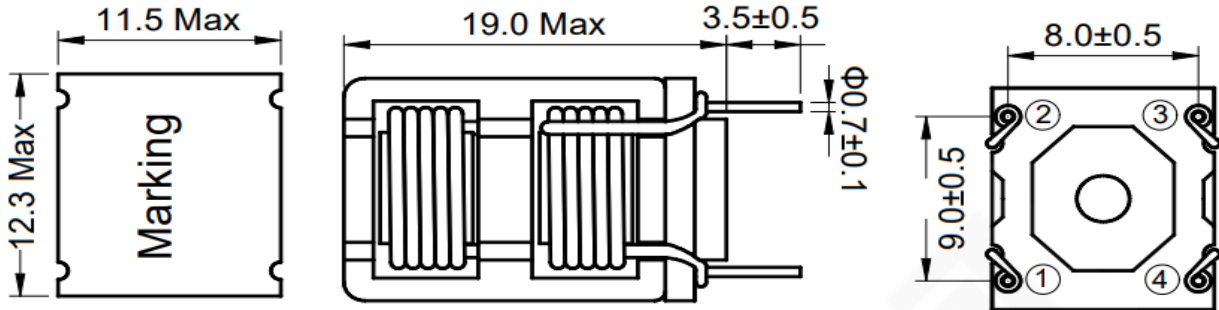
DPAI01-3119-220M



DPAI01-3119-330M



尺寸 Dimension (mm)



焊盘推荐 Land Pattern Recommended (mm)

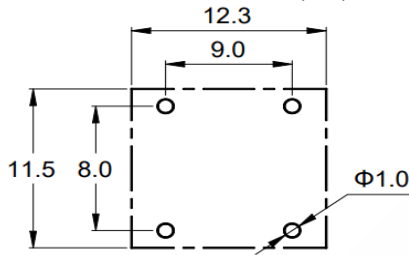
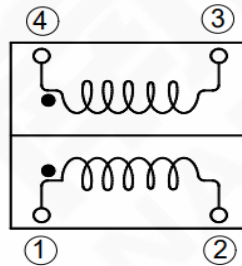


示意图 Schematics



产品尺寸 Product Dimension

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r typ 40°C (A)	直流电阻 DC Resistance DCR _{max} (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packing Qty pcs
DPAI01-1219-100M	10.00 ±20%	3.50	37.00	8.00	110
DPAI01-1219-150M	15.00 ±20%	2.70	42.00	6.00	110
DPAI01-1219-220M	22.00 ±20%	2.40	60.00	5.00	110

测试状态

Test Condition

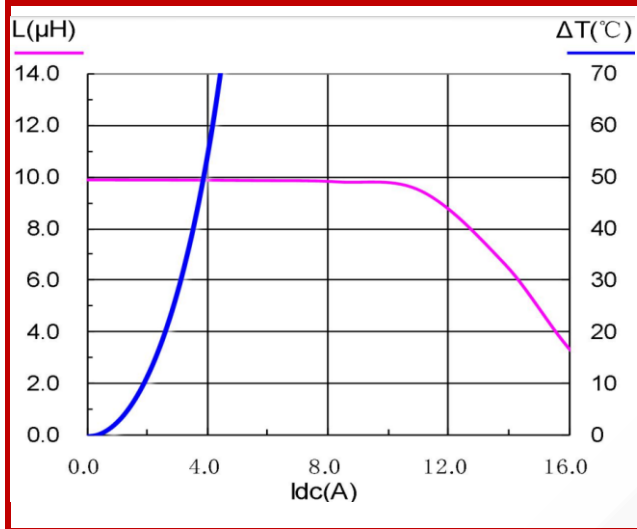
- ☆ 电感测试条件为 100kHz, 1.0V
Inductance measure condition at 100 kHz/ 1.0V
- ☆ 工作温度: -40°C ~ +125°C
Operating Temperature: -40°C ~ +125°C
- ☆ 饱和电流: 电感值下降其初始值的20%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 20% of initial value



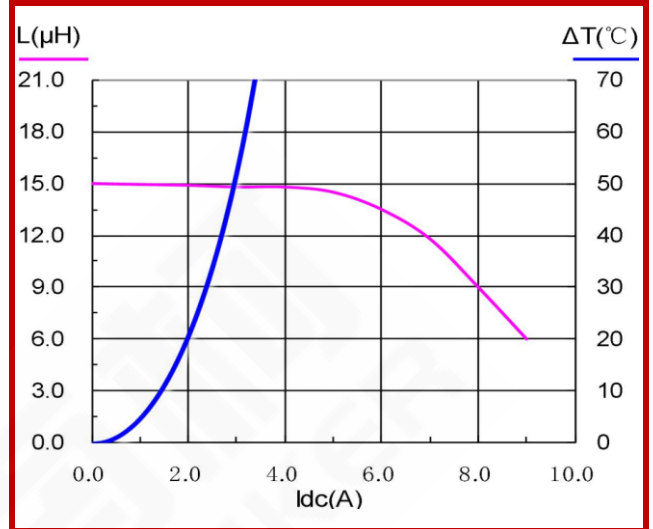
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

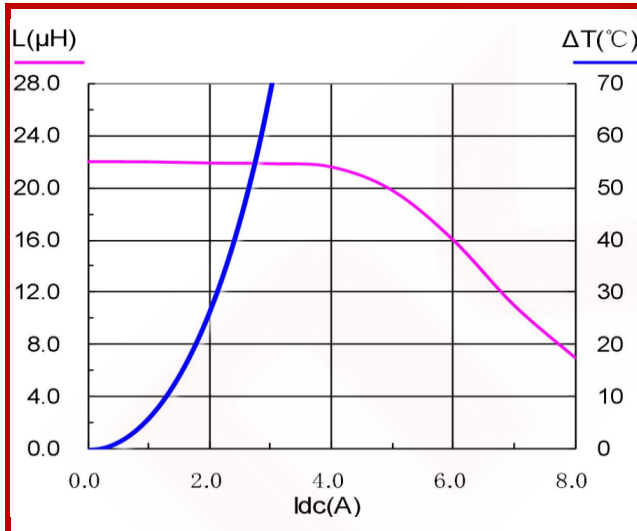
DPAI01-1219-100M



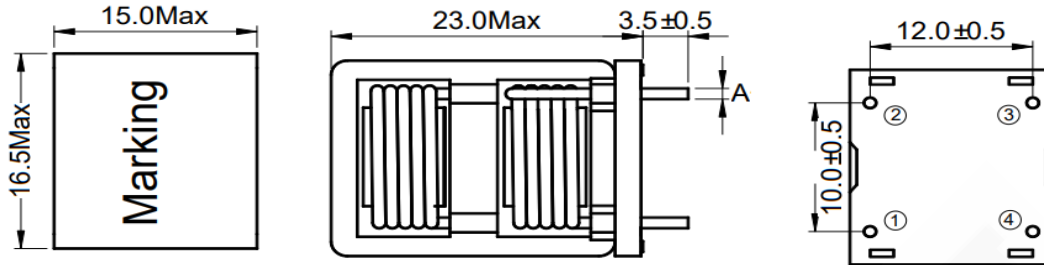
DPAI01-1219-150M



DPAI01-1219-220M



尺寸 Dimension (mm)



Part No.	100	160	200
Dimension A	0.90 ± 0.10	0.70 ± 0.10	0.65 ± 0.10
Dimension B	1.20	1.00	1.00

焊盘推荐 Land Pattern Recommended (mm)

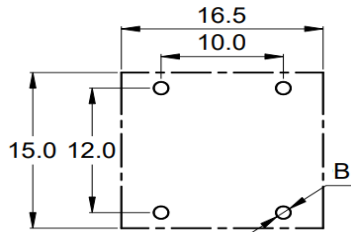
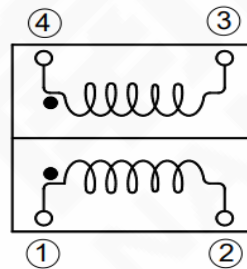


示意图 Schematics



产品尺寸 Product Dimension

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I _r typ 40°C (A)	直流电阻 DC Resistance DCR _{max} (mΩ)	饱和电流 Saturation Current I _{sat} typ (A)	包装数量 Packing Qty pcs
DPAI01-1623-100M	10.00 ±20%	6.40	12.00	15.00	540
DPAI01-1623-150M	16.00 ±20%	5.20	22.60	11.00	540
DPAI01-1623-220M	20.00 ±20%	3.80	31.00	10.00	540

测试状态

Test Condition

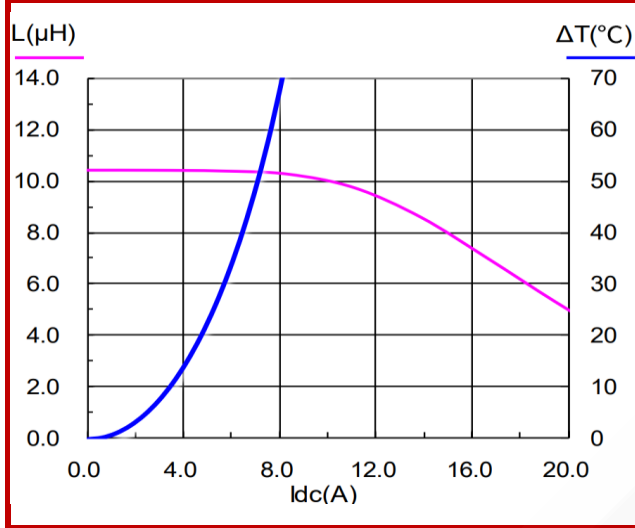
- ☆ 电感测试条件为 100kHz, 0.10V
Inductance measure condition at 100 kHz/ 0.10V
- ☆ 工作温度: -40°C ~ +125°C
Operating Temperature: -40°C ~ +125°C
- ☆ 饱和电流: 电感值下降其初始值的25%时所加载的实际直流电流值
Saturation Current: The actual value of DC current when the inductance drop 25% of initial value



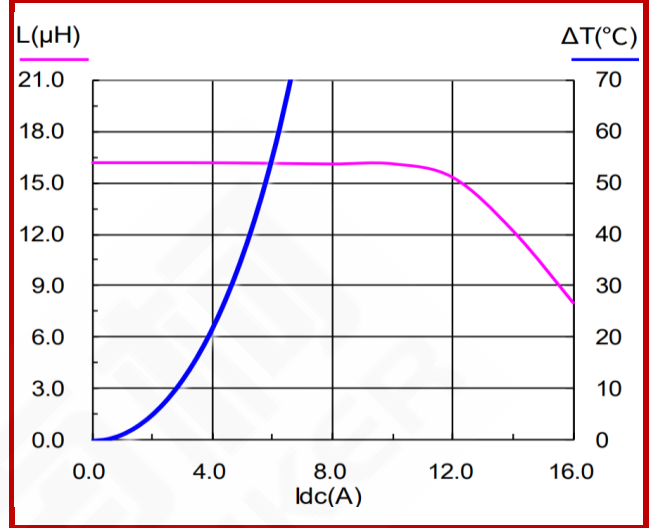
饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

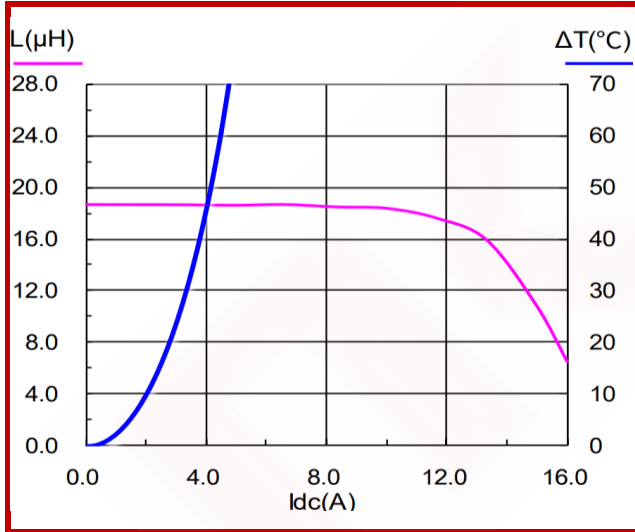
DPAI01-1623-100M



DPAI01-1623-150M



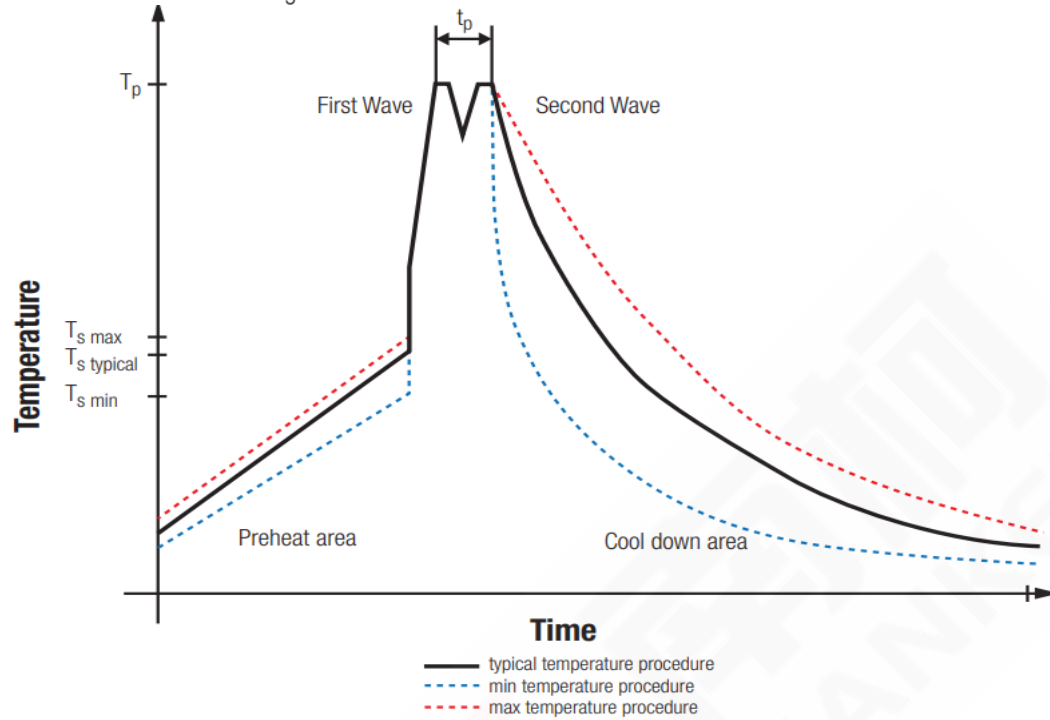
DPAI01-1623-220M





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 Min	$T_{s \min}$	100°C	100°C
Preheat Temperature Typical	$T_{s \text{ typical}}$	120°C	120°C
Preheat Temperature Max	$T_{s \max}$	130°C	130°C
Preheat Time t_s from $T_{s \min}$ to $T_{s \max}$	t_s	70 seconds	70 seconds
Ramp-up Rate	ΔT	150°C max	150°C max
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, Min		~ 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