

### 片式电感

Shielded Power Inductor (Molded Chip)



#### 特性

Characteristics

低损耗，低阻抗

Low losses, low impedance

良好的磁屏蔽性能及EMI性能

Good magnetics shielding performance and EMI performance

寄生电容小

Small parasitic capacitance

#### 应用

Application

智能手机

Smart Phone

5G通讯

5G communication

安防设备

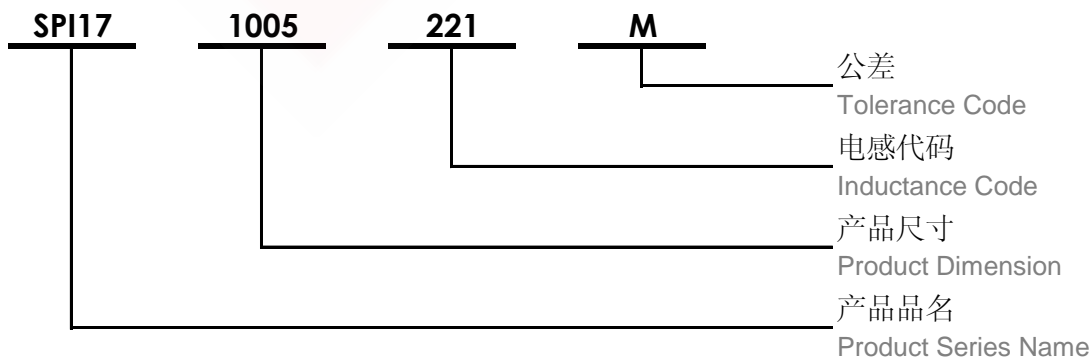
Security Device

DC/DC转换器

DC/DC-converter

#### 产品品名介绍

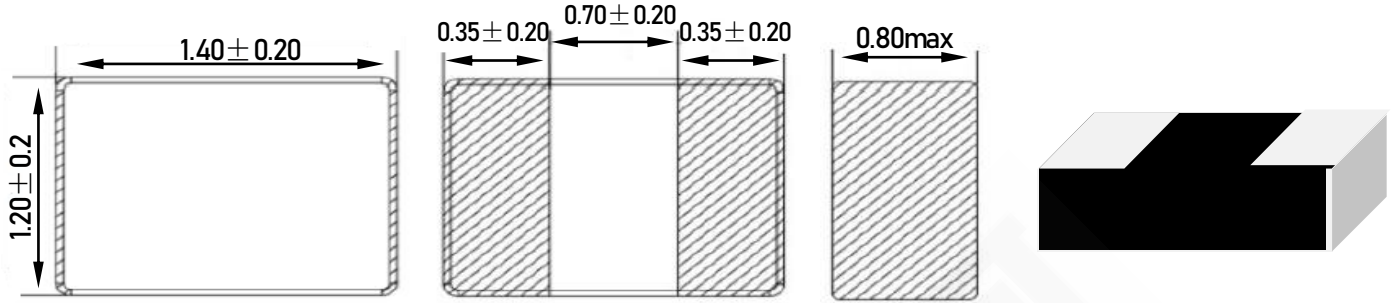
Product Number Structure





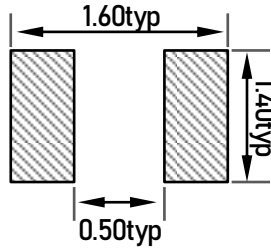
### 尺寸

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 <sub>R</sub> typ 40°C (A)	直流电阻 DC Resistance DCR <sub>max</sub> (mΩ)	饱和电流 Saturation Current I <sub>sat</sub> typ (A)	卷盘数量 Taping Reel Qty. pcs
SPI17-141208-R24M	0.24 ±20%	6.00	24.00	7.00	3,000
SPI17-141208-R47M	0.47 ±20%	4.00	42.00	4.50	3,000
SPI17-141208-1R0M	1.00 ±20%	3.00	115.00	3.20	3,000

### 测试状态

Test Condition

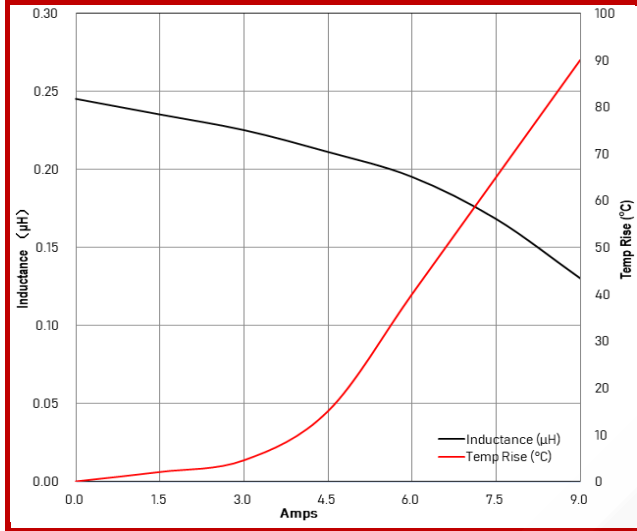
- ☆ 电感测试条件为 1.0 MHz/ 1.0V  
Inductance measure condition at 1.0 MHz/ 1.0V
- ☆ 工作温度: -55°C ~ +125°C  
Operating Temperature: -55°C ~ +125°C
- ☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值  
Saturation Current: The actual value of DC current when the inductance drop 30% of initial value



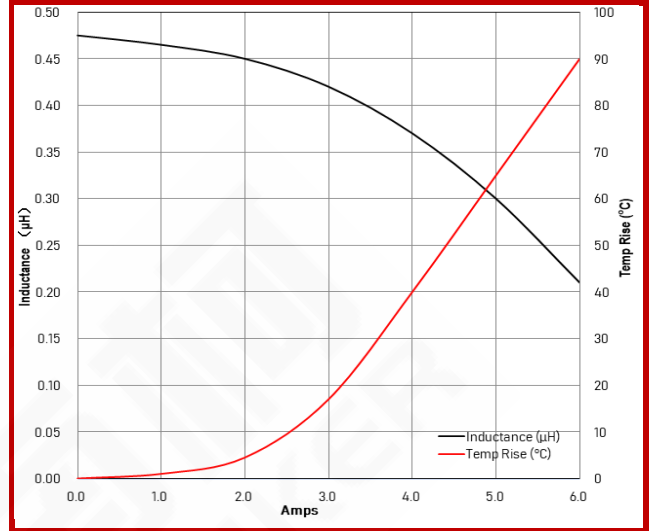
### 饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

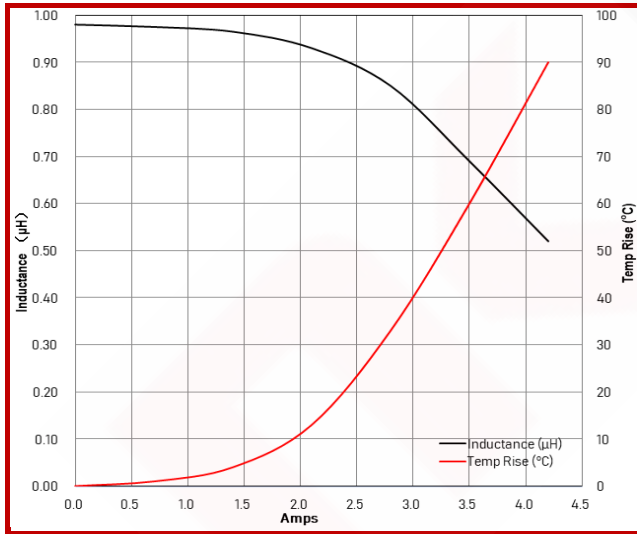
#### SPI17-141208-R24M



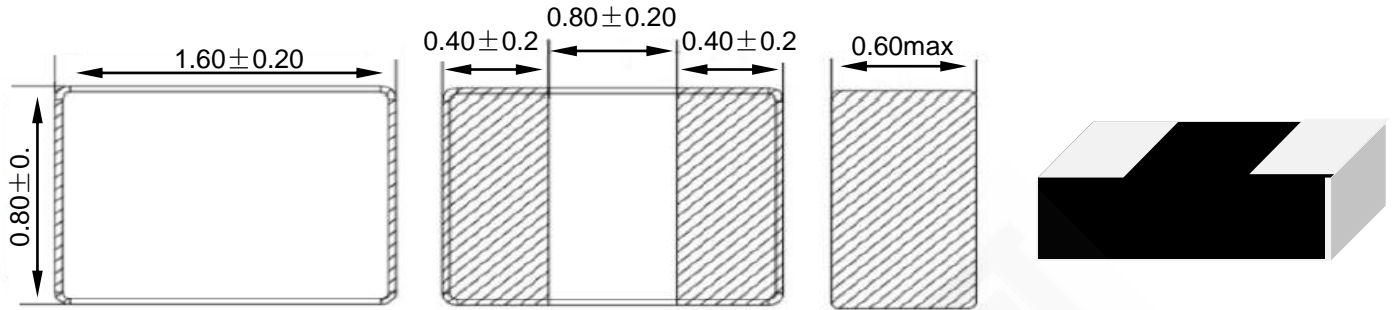
#### SPI17-141208-R47M



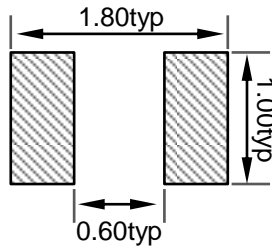
#### SPI17-141208-1R0M



### 尺寸 Dimension (mm)



### 焊盘推荐 Land Pattern Recommended (mm)



### 示意图 Schematics



### 电性特性 Electrical Properties

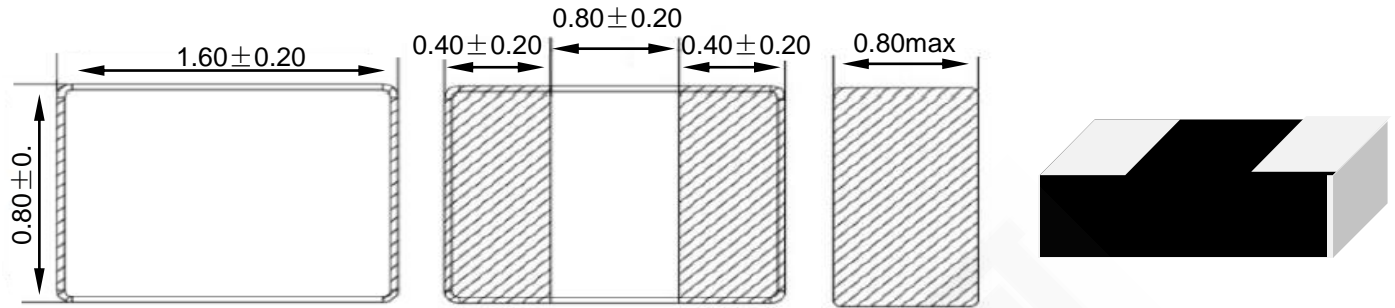
型号 Part No.	电感 Inductance μH	温升电流 Rated Current I <sub>r</sub> typ 40°C (A)	直流电阻 DC Resistance DCR <sub>max</sub> (mΩ)	饱和电流 Saturation Current I <sub>sat</sub> typ (A)	卷盘数量 Taping Reel Qty. pcs
SPI17-160806-R05M	0.05 ±20%	9.00	10.00	10.00	4,000
SPI17-160806-R22M	0.22 ±20%	5.00	25.00	6.50	4,000
SPI17-160806-R24M	0.24 ±20%	4.80	30.00	5.70	4,000
SPI17-160806-R33M	0.33 ±20%	3.80	45.00	4.50	4,000
SPI17-160806-R47M	0.47 ±20%	3.30	60.00	3.80	4,000
SPI17-160806-R68M	0.68 ±20%	3.10	80.00	3.50	4,000
SPI17-160806-1R0M	1.00 ±20%	1.70	125.00	2.00	4,000
SPI17-160806-1R5M	1.50 ±20%	1.60	160.00	1.90	4,000
SPI17-160806-2R2M	2.20 ±20%	1.50	220.00	1.70	4,000

### 测试状态

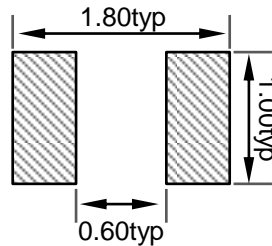
Test Condition

- ☆ 电感测试条件为 1.0 MHz/ 1.0V  
Inductance measure condition at 1.0 MHz/ 1.0V
- ☆ 工作温度: -55°C ~ +125°C  
Operating Temperature: -55°C ~ +125°C
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Saturation Current: The actual value of DC current when the inductance drop 30% of initial value

### 尺寸 Dimension (mm)



### 焊盘推荐 Land Pattern Recommended (mm)



### 示意图 Schematics



### 电性特性 Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I <sub>r</sub> typ 40°C (A)	直流电阻 DC Resistance DCR <sub>max</sub> (mΩ)	饱和电流 Saturation Current I <sub>sat</sub> typ (A)	卷盘数量 Taping Reel Qty. pcs
SPI17-160808-R05M	0.05 ±20%	9.20	8.00	10.30	4,000
SPI17-160808-R22M	0.22 ±20%	5.50	23.00	6.50	4,000
SPI17-160808-R24M	0.24 ±20%	5.30	28.00	6.20	4,000
SPI17-160808-R33M	0.33 ±20%	4.00	43.00	4.60	4,000
SPI17-160808-R47M	0.47 ±20%	3.60	55.00	4.10	4,000
SPI17-160808-R68M	0.68 ±20%	3.30	75.00	3.60	4,000
SPI17-160808-1R0M	1.00 ±20%	2.50	115.00	2.70	4,000
SPI17-160808-1R5M	1.50 ±20%	1.80	155.00	2.00	4,000
SPI17-160808-2R2M	2.20 ±20%	1.30	215.00	1.50	4,000

### 测试状态

Test Condition

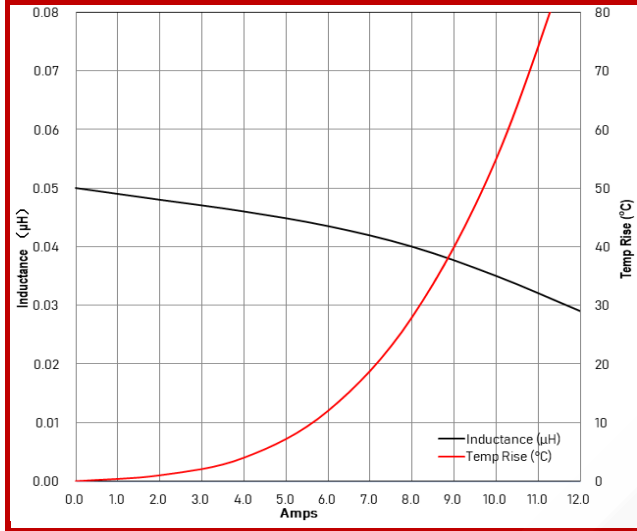
- ☆ 电感测试条件为 1.0 MHz/ 1.0V  
Inductance measure condition at 1.0 MHz/ 1.0V
- ☆ 工作温度: -55°C ~ +125°C  
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Saturation Current: The actual value of DC current when the inductance drop 30% of initial value



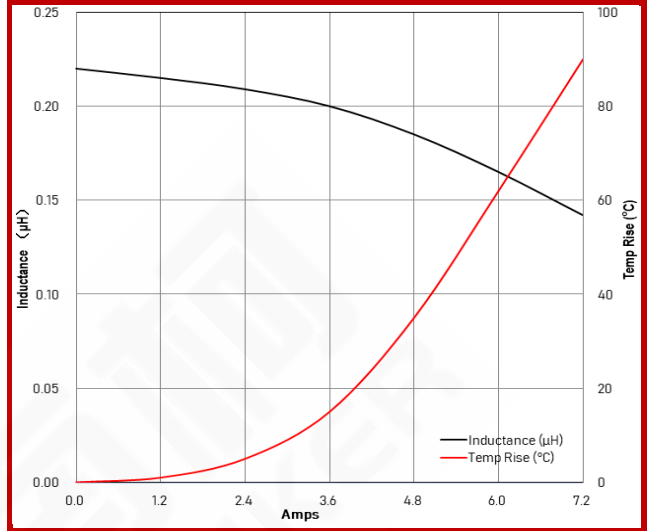
### 饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

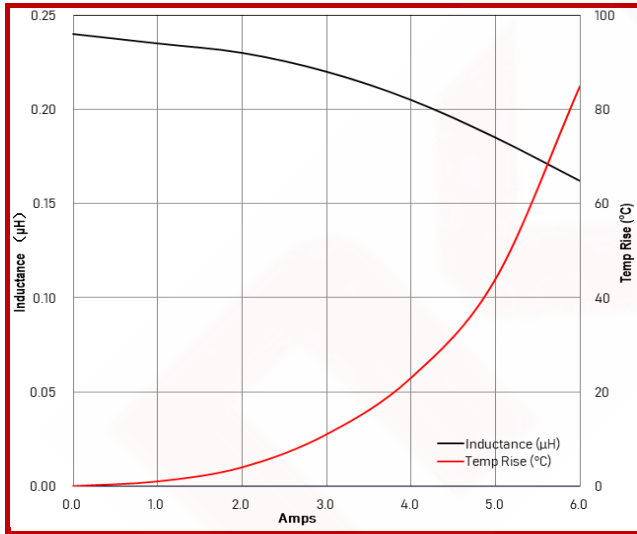
**SPI17-160806-R05M**



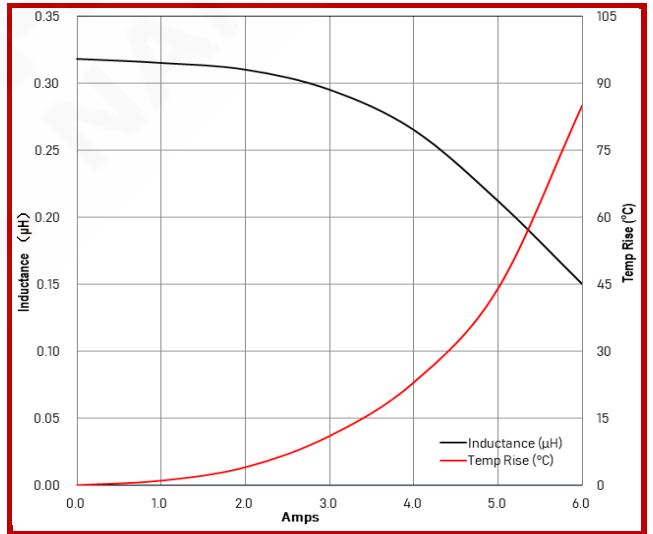
**SPI17-160806-R22M**



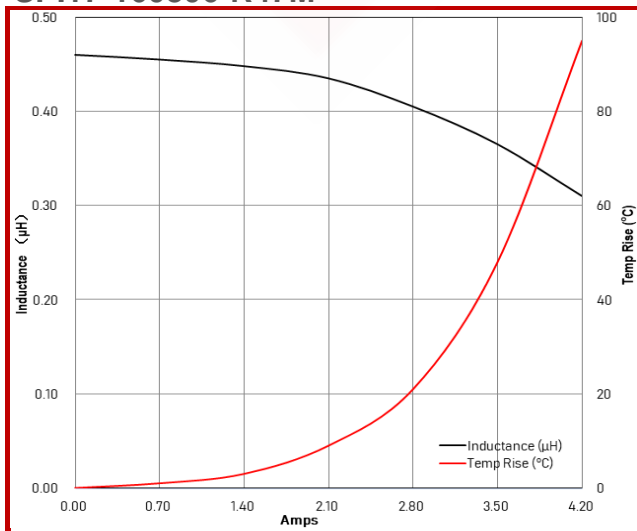
**SPI17-160806-R24M**



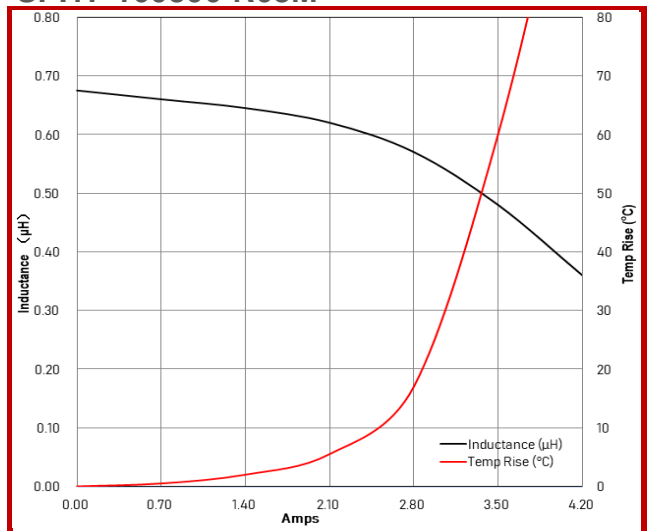
**SPI17-160806-R33M**

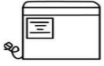


**SPI17-160806-R47M**



**SPI17-160806-R68M**

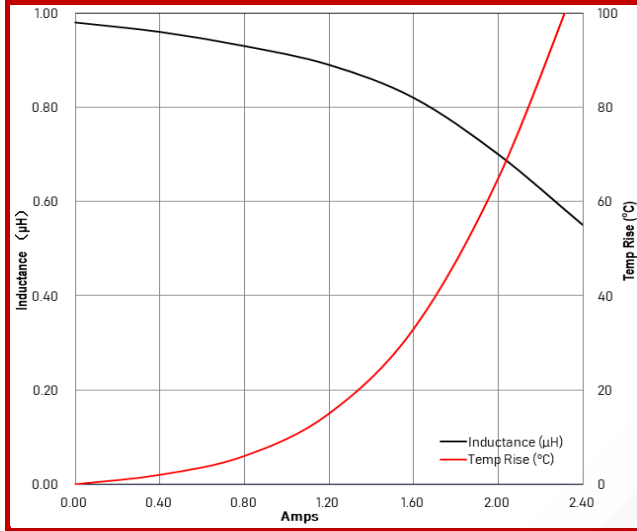




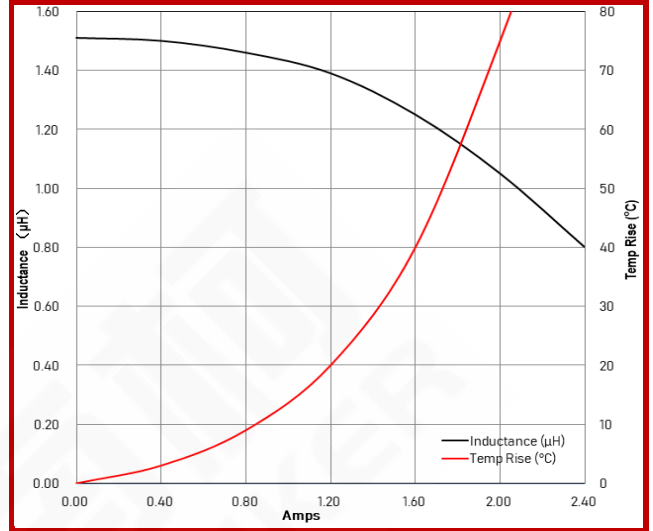
### 饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

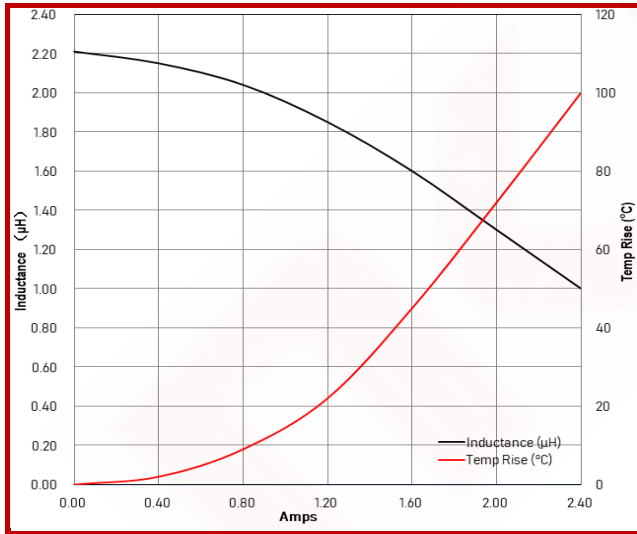
#### SPI17-160806-1R0M



#### SPI17-160806-1R5M



#### SPI17-160806-2R2M

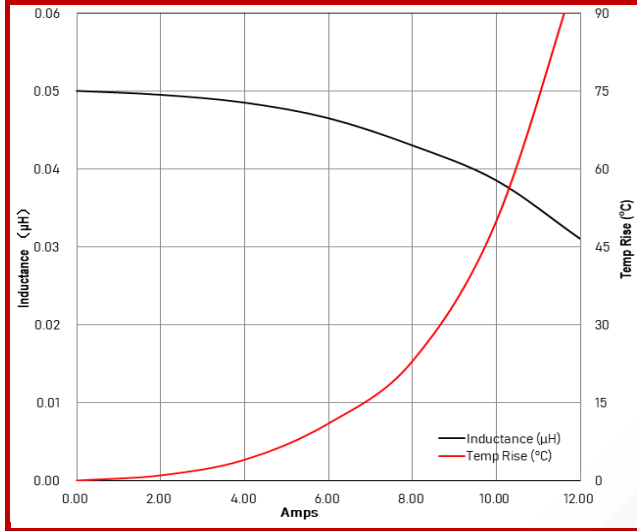




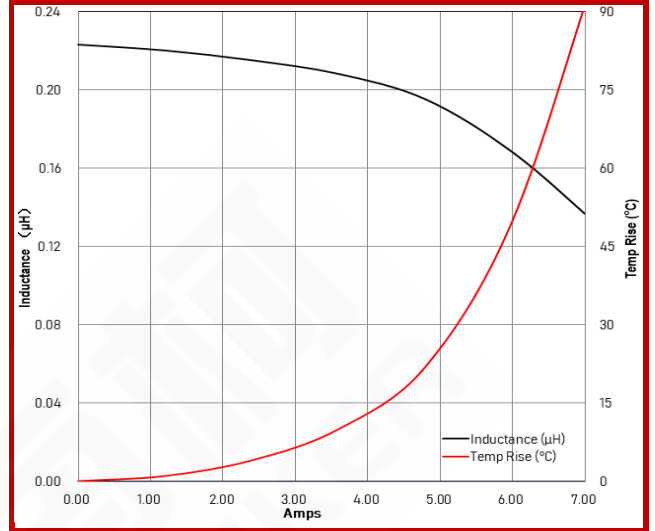
### 饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

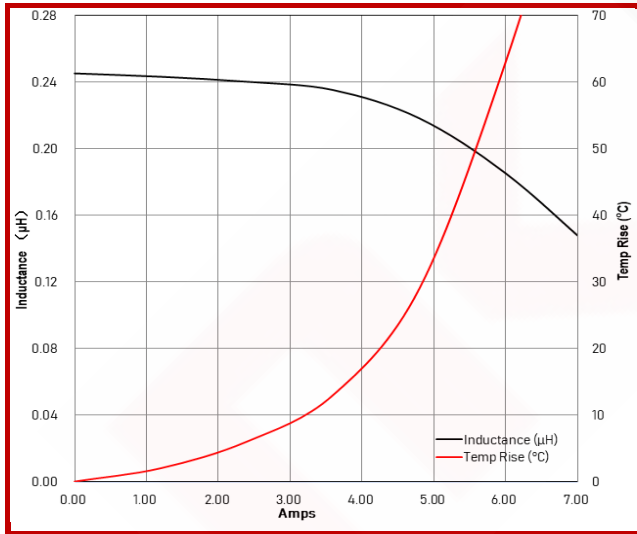
**SPI17-160808-R05M**



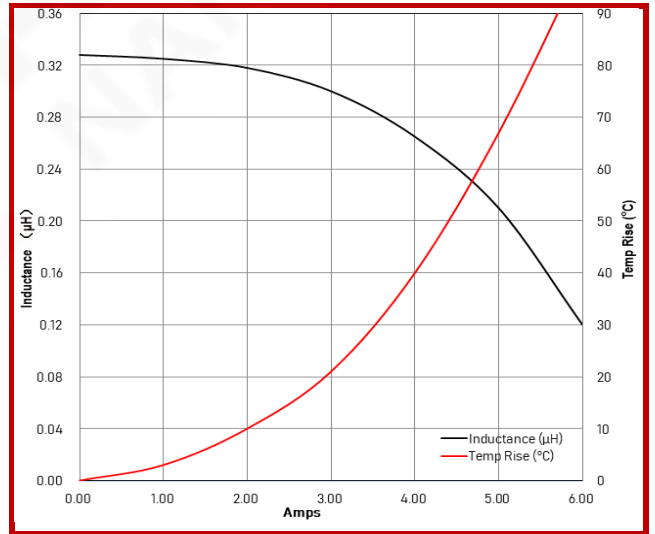
**SPI17-160808-R22M**



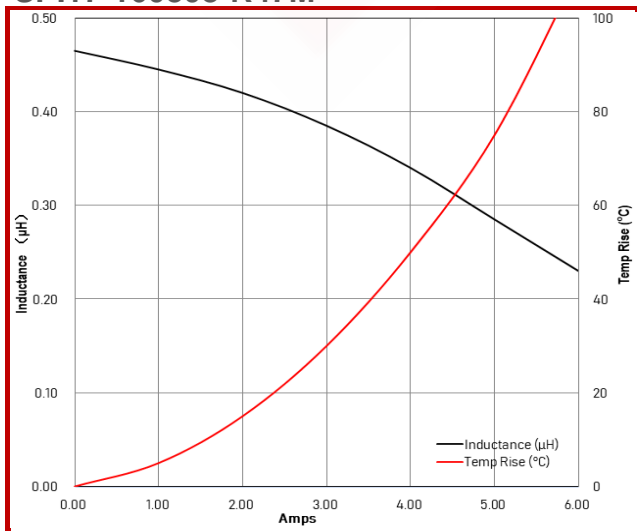
**SPI17-160808-R24M**



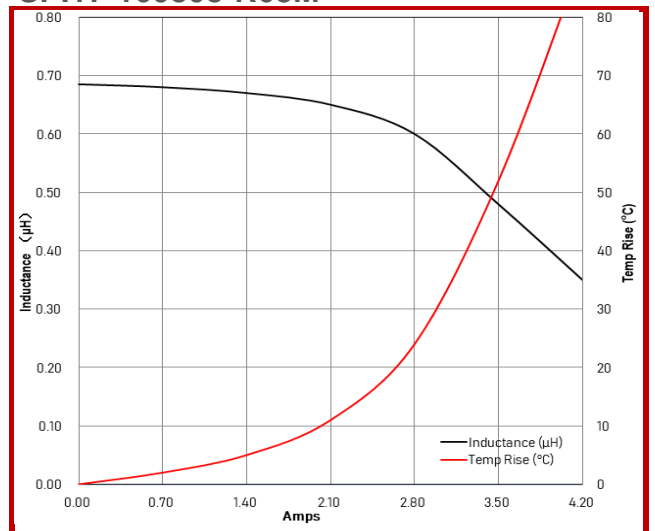
**SPI17-160808-R33M**



**SPI17-160808-R47M**



**SPI17-160808-R68M**



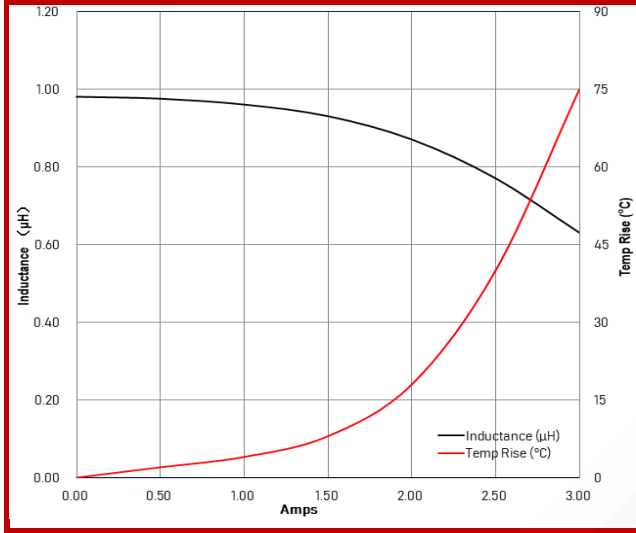




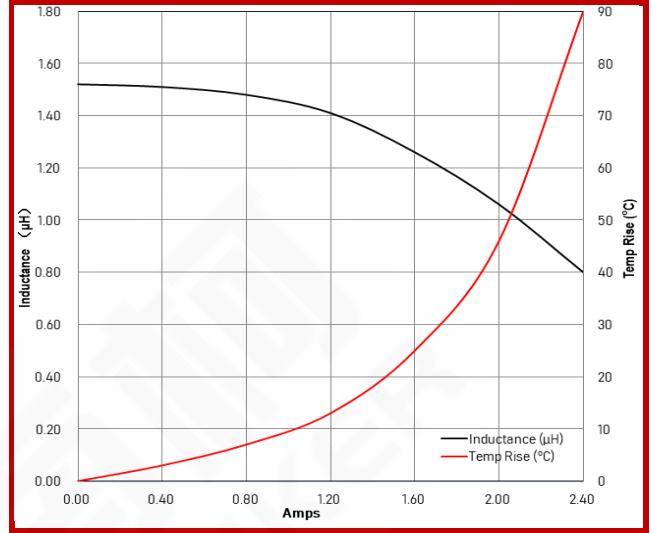
### 饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

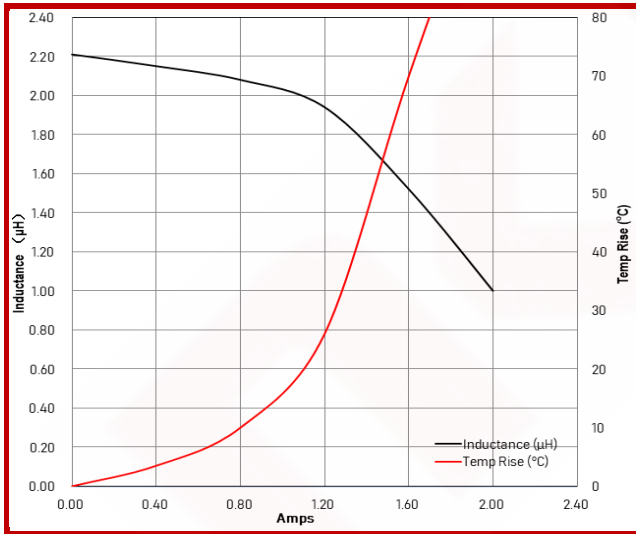
#### SPI17-160808-1R0M

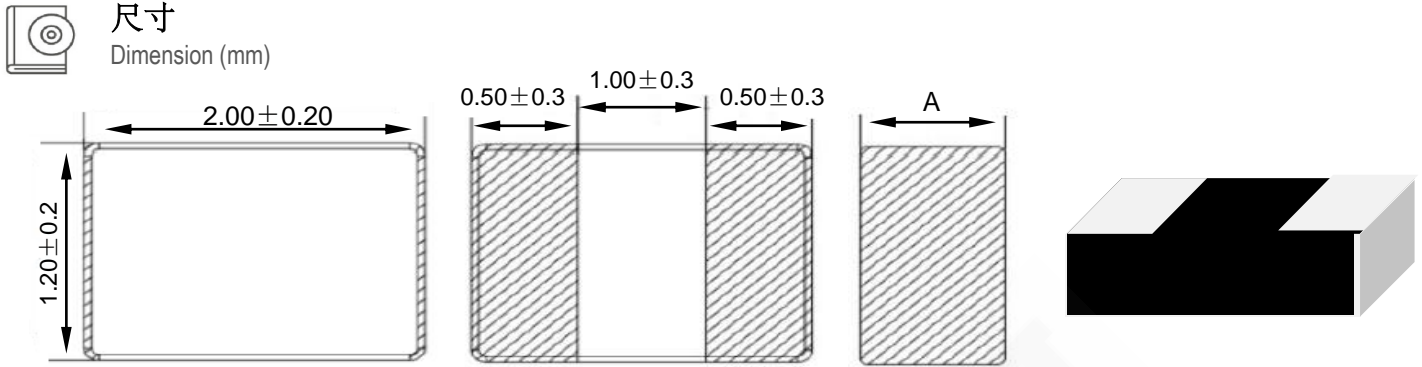


#### SPI17-160808-1R5M



#### SPI17-160808-2R2M





Dimension	201208	201210
A	0.80max	1.00max



型号 Part No.	电感 Inductance μH	温升电流 Rated Current I <sub>r</sub> typ 40°C (A)	直流电阻 DC Resistance DCR <sub>max</sub> (mΩ)	饱和电流 Saturation Current I <sub>sat</sub> typ (A)	卷盘数量 Taping Reel Qty. pcs
SPI17-201208-R47M	0.47 ±20%	4.20	36.00	4.80	3,000
SPI17-201208-1R0M	1.00 ±20%	3.30	95.00	3.60	3,000
SPI17-201208-2R2M	2.20 ±20%	2.20	180.00	2.50	3,000
SPI17-201210-R47M	0.47 ±20%	4.50	34.00	5.00	3,000
SPI17-201210-1R0M	1.00 ±20%	3.60	75.00	4.00	3,000
SPI17-201210-2R2M	2.20 ±20%	2.40	160.00	2.70	3,000

### 测试状态

Test Condition

☆ 电感测试条件为 1.0 MHz/ 1.0V

Inductance measure condition at 1.0 MHz/ 1.0V

☆ 工作温度: -55°C ~ +125°C

Operating Temperature: -55°C ~ +125°C

☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值

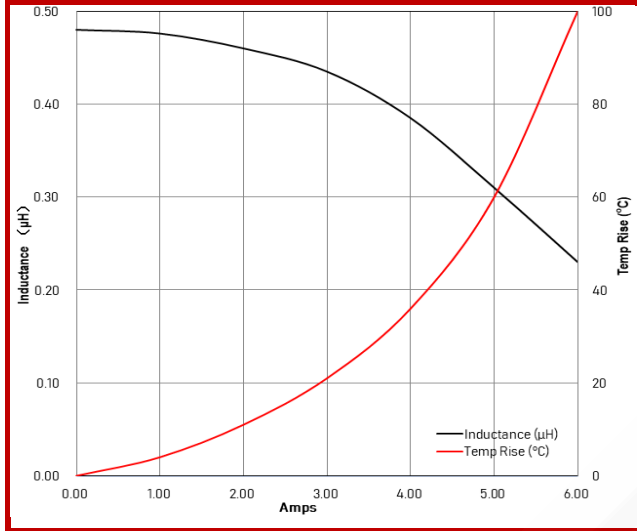
Saturation Current: The actual value of DC current when the inductance drop 30% of initial value



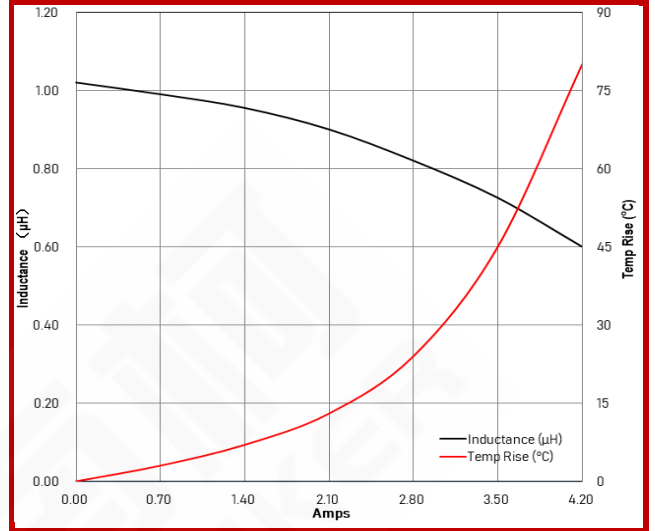
### 饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

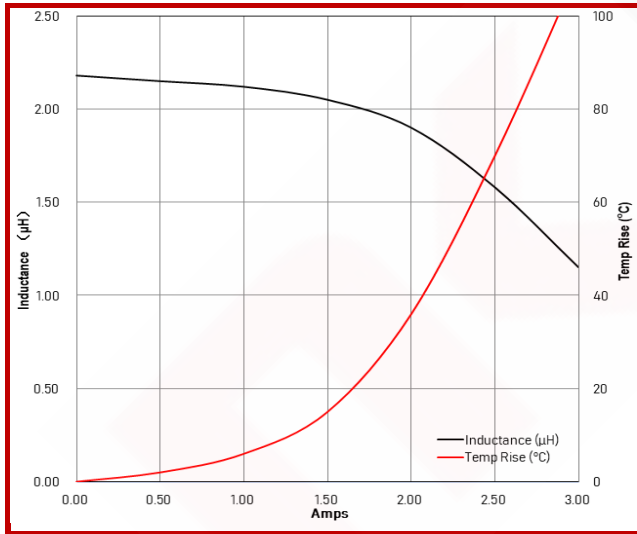
**SPI17-201208-R47M**



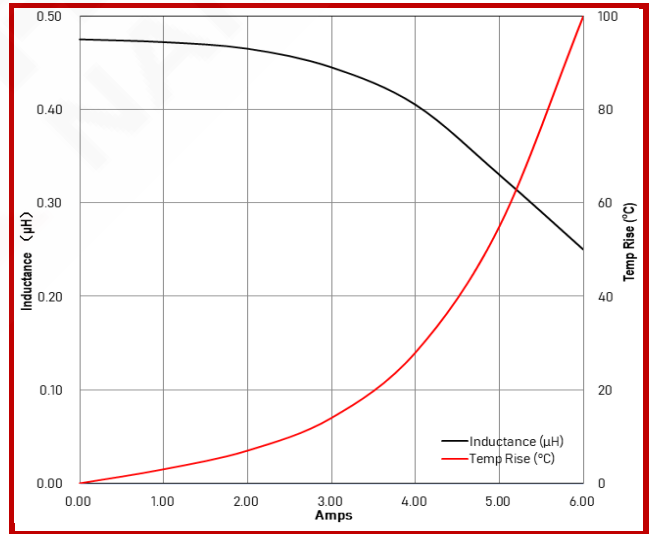
**SPI17-201208-1R0M**



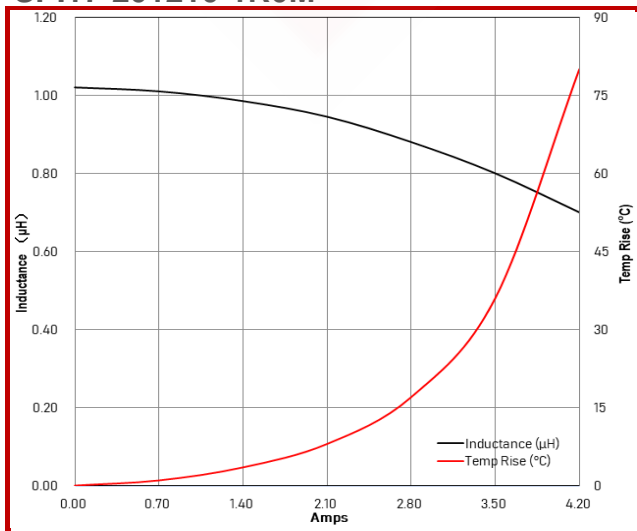
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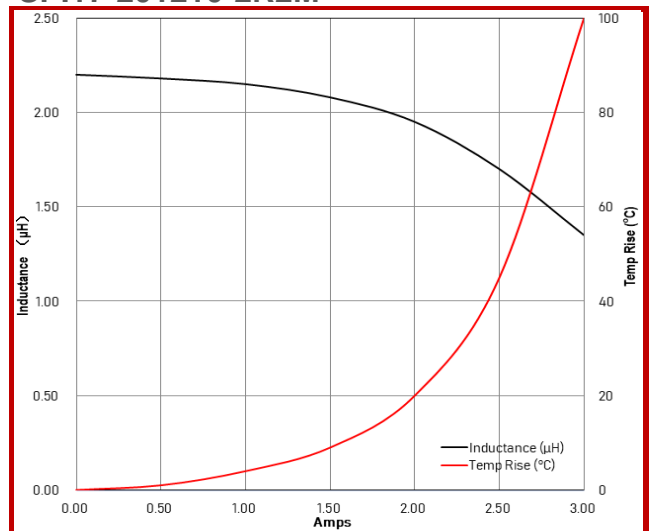
**SPI17-201210-R47M**

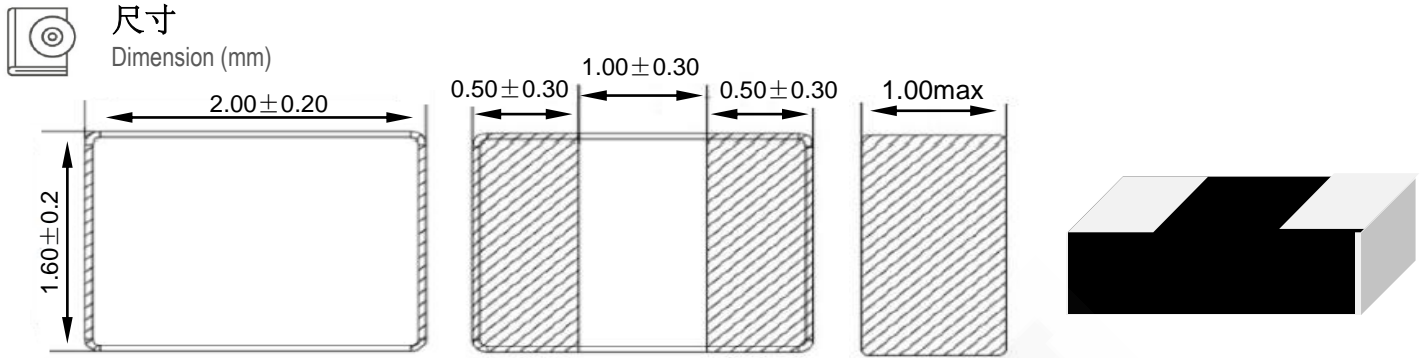


**SPI17-201210-1R0M**



**SPI17-201210-2R2M**





Dimension	201608	201610	201612
A	0.80max	1.00max	1.20max



型号 Part No.	电感 Inductance μH	温升电流 Rated Current I <sub>r</sub> typ 40°C (A)	直流电阻 DC Resistance DCR <sub>max</sub> (mΩ)	饱和电流 Saturation Current I <sub>sat</sub> typ (A)	卷盘数量 Taping Reel Qty. pcs
SPI17-201608-R47M	0.47 ±20%	4.80	32.00	5.20	3,000
SPI17-201608-1R0M	1.00 ±20%	3.70	62.00	4.30	3,000
SPI17-201608-2R2M	2.20 ±20%	2.60	140.00	2.90	3,000
SPI17-201608-3R3M	3.30 ±20%	2.00	200.00	2.20	3,000
SPI17-201610-R47M	0.47 ±20%	5.00	28.00	5.50	3,000
SPI17-201610-1R0M	1.00 ±20%	4.00	57.00	4.50	3,000
SPI17-201610-2R2M	2.20 ±20%	3.00	125.00	3.20	3,000
SPI17-201610-3R3M	3.30 ±20%	2.20	175.00	2.40	3,000
SPI17-201612-R47M	0.47 ±20%	4.30	27.00	5.90	3,000
SPI17-201612-1R0M	1.00 ±20%	4.20	55.00	4.70	3,000
SPI17-201612-2R2M	2.20 ±20%	3.20	110.00	3.50	3,000
SPI17-201612-3R3M	3.30 ±20%	2.60	165.00	2.90	3,000

### 测试状态

Test Condition

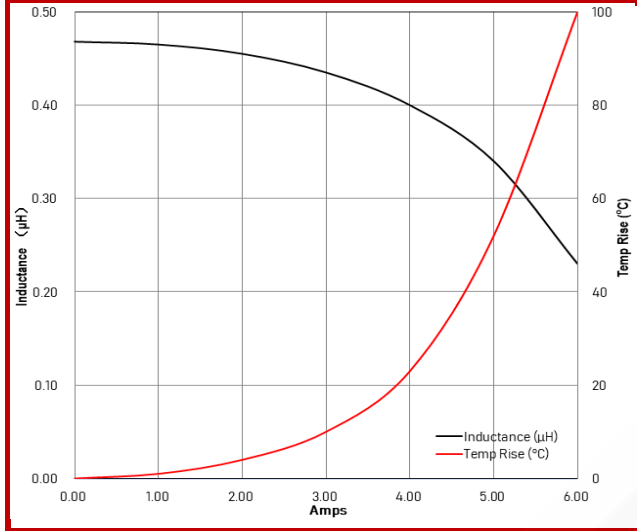
- ☆ 电感测试条件为 1.0 MHz/ 1.0V  
Inductance measure condition at 1.0 MHz/ 1.0V
- ☆ 工作温度: -55°C ~ +125°C  
Operating Temperature: -55°C ~ +125°C
- ☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值  
Saturation Current: The actual value of DC current when the inductance drop 30% of initial value



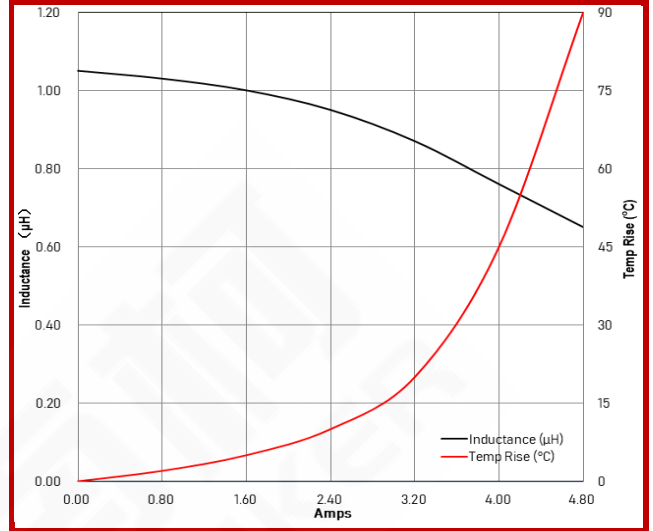
### 饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

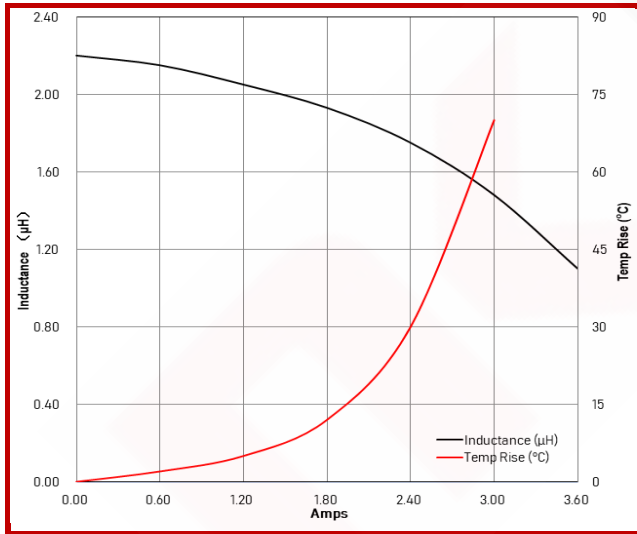
**SPI17-201608-R47M**



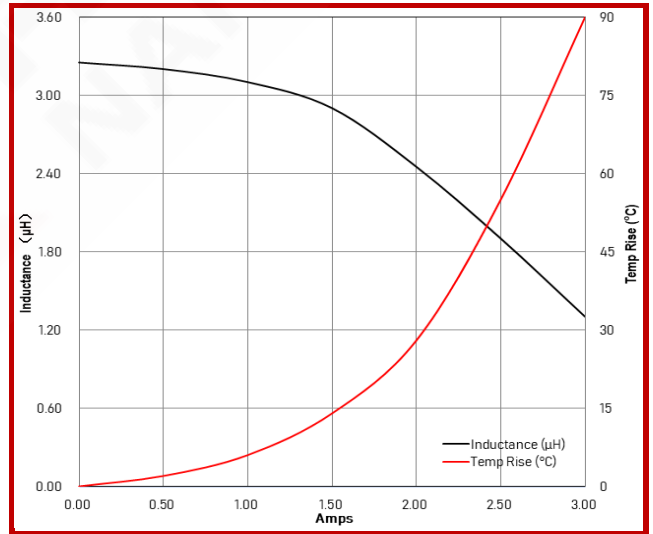
**SPI17-201608-1R0M**



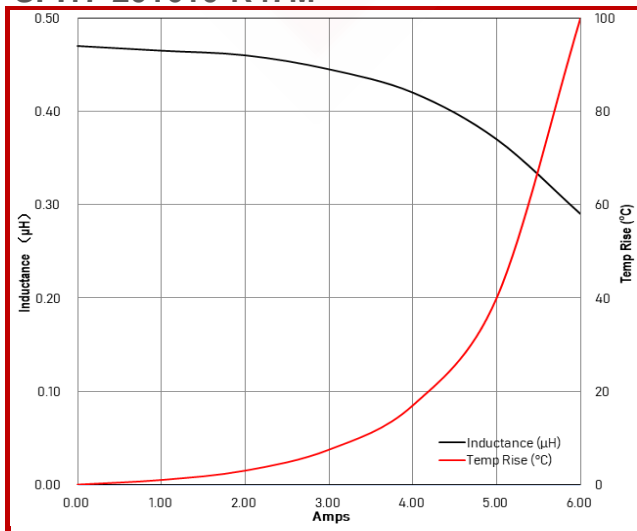
**SPI17-201608-2R2M**



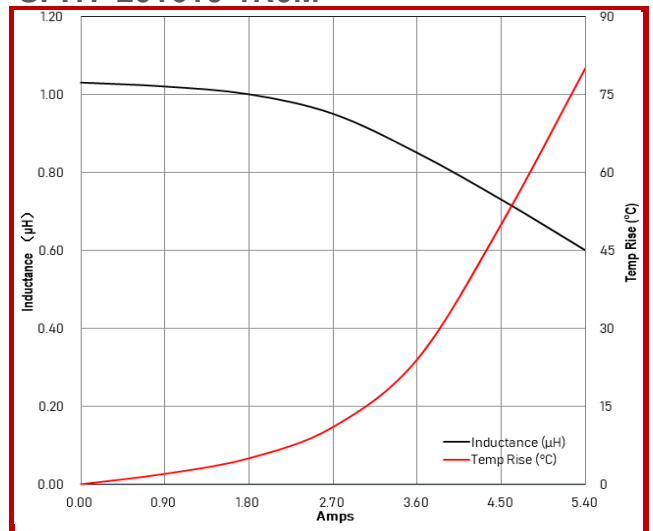
**SPI17-201608-3R3M**



**SPI17-201610-R47M**



**SPI17-201610-1R0M**

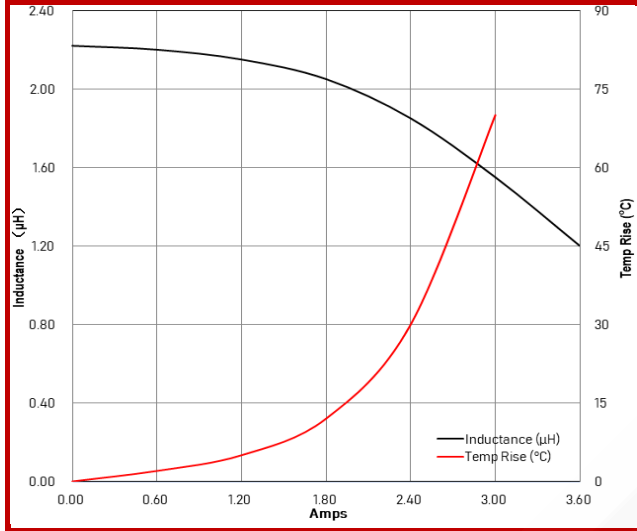




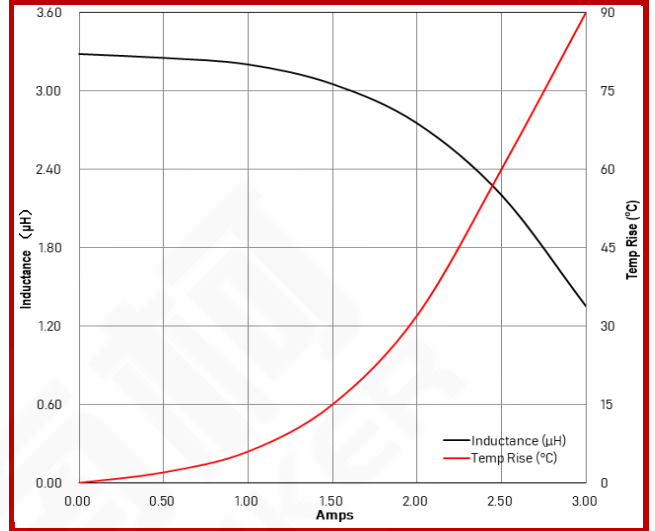
### 饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

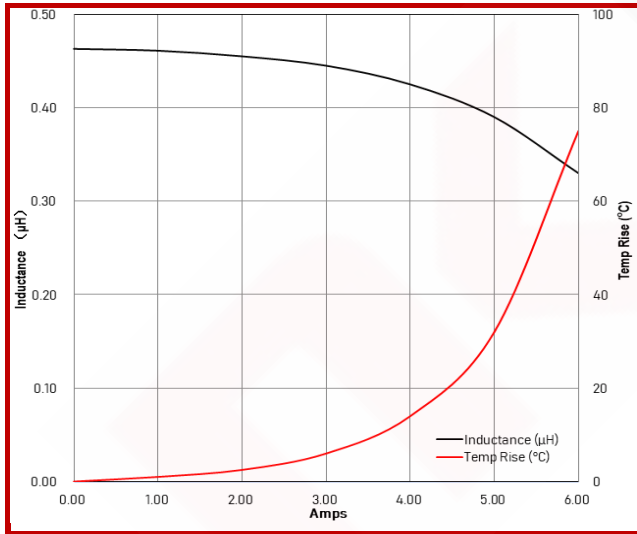
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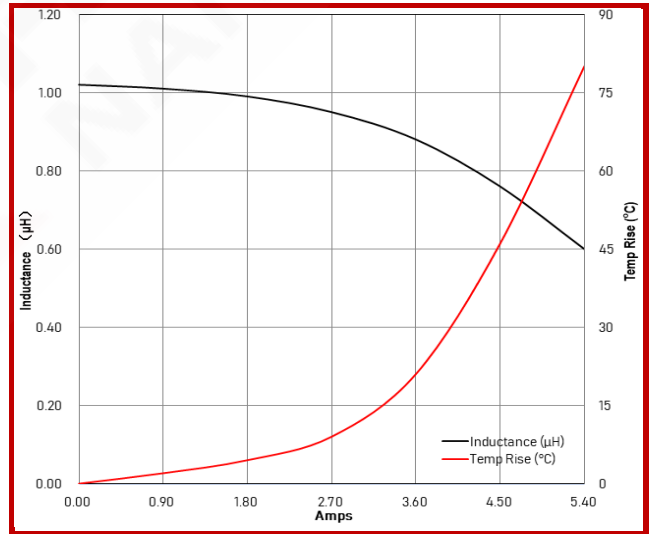
**SPI17-201610-3R3M**



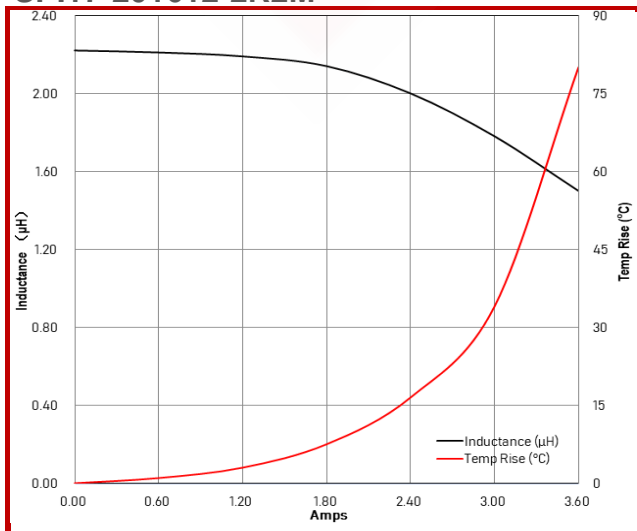
**SPI17-201612-R47M**



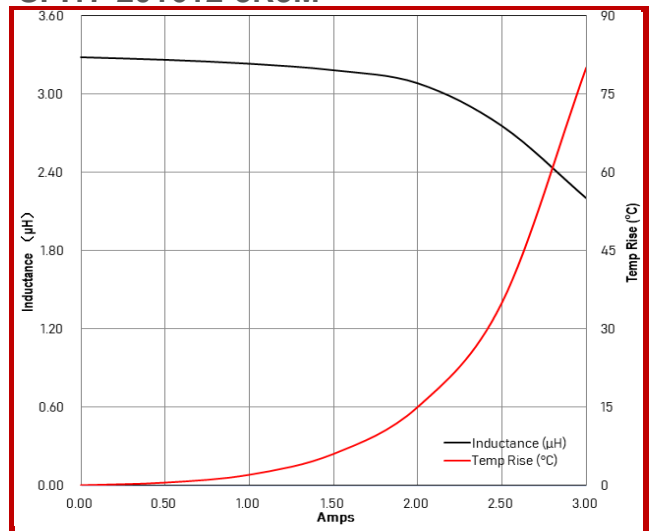
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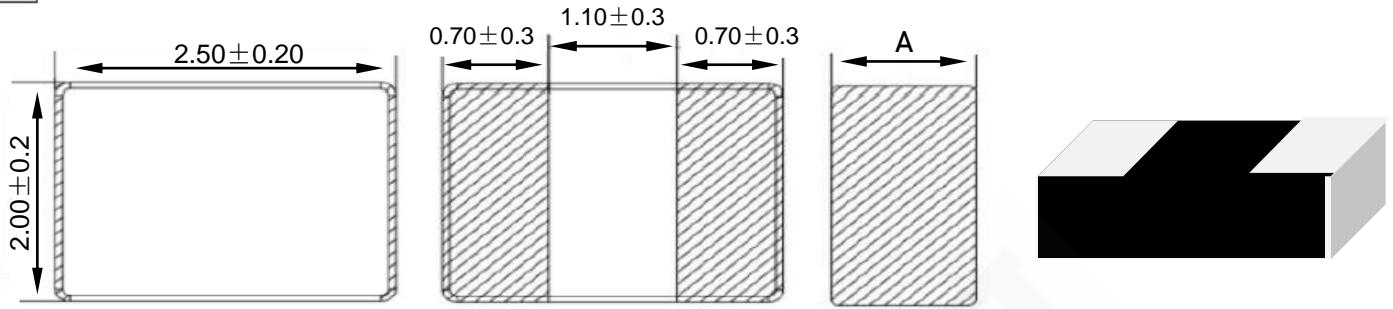
**SPI17-201612-2R2M**



**SPI17-201612-3R3M**

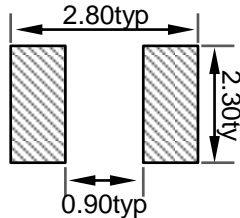


### 尺寸 Dimension (mm)



Dimension	252008	252010	252012
A	0.80max	1.00max	1.20max

### 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 <sub>r</sub> typ 40°C (A)	直流电阻 DC Resistance DCR <sub>max</sub> (mΩ)	饱和电流 Saturation Current I <sub>sat</sub> typ (A)	卷盘数量 Taping Reel Qty. pcs
SPI17-252008-R47M	0.47 ±20%	5.30	22.00	6.30	3,000
SPI17-252008-1R0M	1.00 ±20%	4.50	52.00	5.00	3,000
SPI17-252008-2R2M	2.20 ±20%	3.10	95.00	3.50	3,000
SPI17-252008-3R3M	3.30 ±20%	2.20	145.00	2.50	3,000
SPI17-252010-R47M	0.47 ±20%	5.50	18.00	6.50	3,000
SPI17-252010-1R0M	1.00 ±20%	4.80	46.00	5.20	3,000
SPI17-252010-2R2M	2.20 ±20%	3.30	85.00	3.70	3,000
SPI17-252010-3R3M	3.30 ±20%	2.50	130.00	3.00	3,000
SPI17-252012-R47M	0.47 ±20%	6.50	17.00	7.50	3,000
SPI17-252012-1R0M	1.00 ±20%	5.00	44.00	6.00	3,000
SPI17-252012-2R2M	2.20 ±20%	3.50	75.00	4.00	3,000
SPI17-252012-3R3M	3.30 ±20%	2.80	120.00	3.00	3,000

### 测试状态

Test Condition

☆ 电感测试条件为 1.0 MHz/ 1.0V

Inductance measure condition at 1.0 MHz/ 1.0V

☆ 工作温度: -55°C ~ +125°C

Operating Temperature: -55°C ~ +125°C

☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值

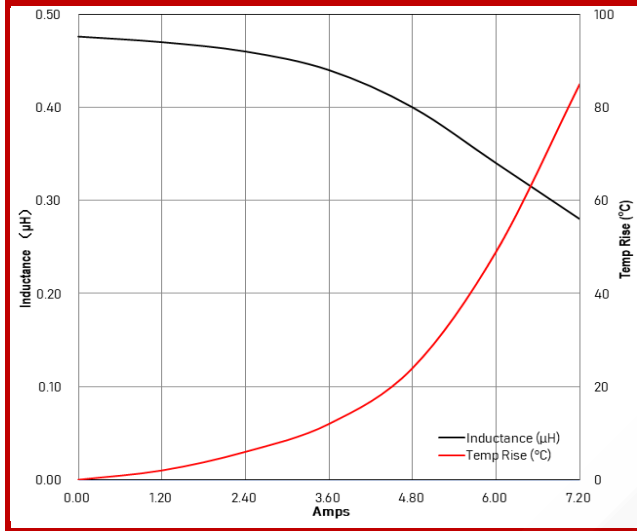
Saturation Current: The actual value of DC current when the inductance drop 30% of initial value



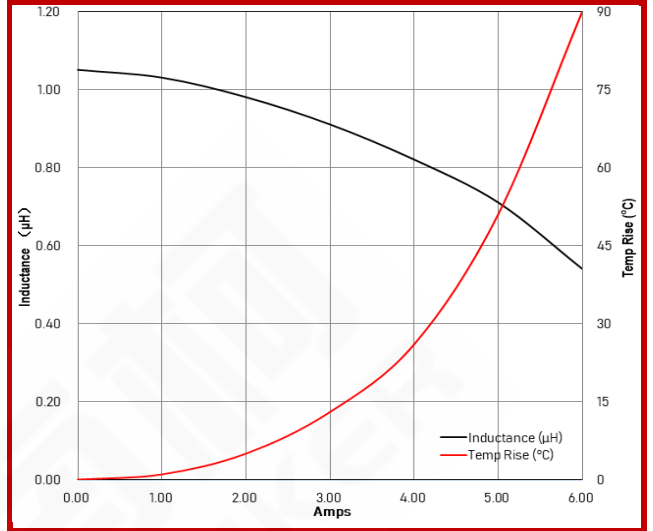
### 饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

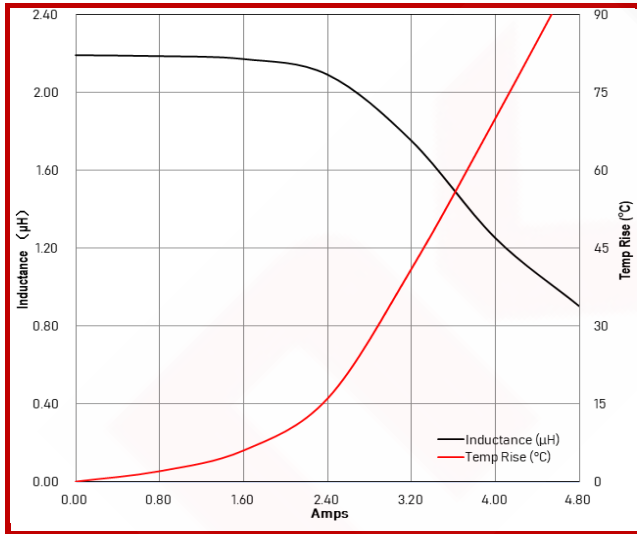
**SPI17-252008-R47M**



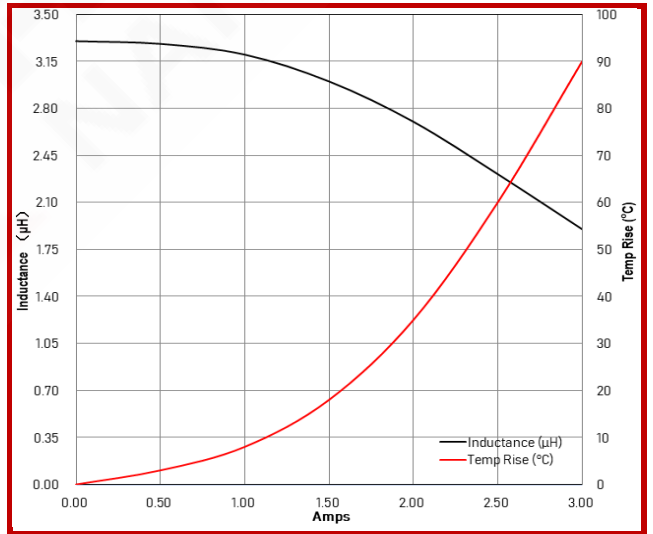
**SPI17-252008-1R0M**



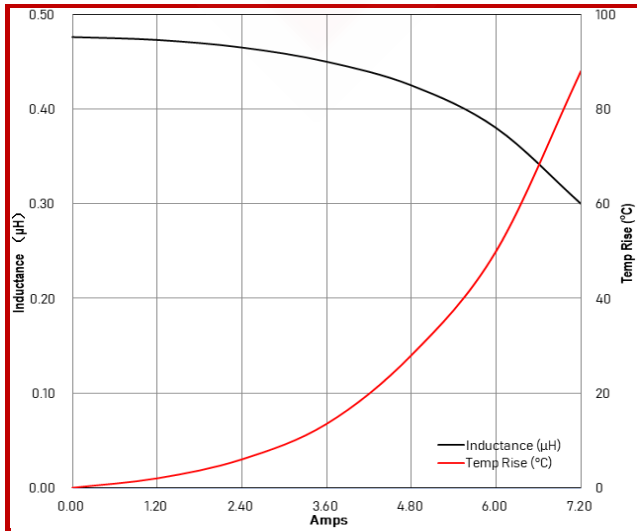
**SPI17-252008-2R2M**



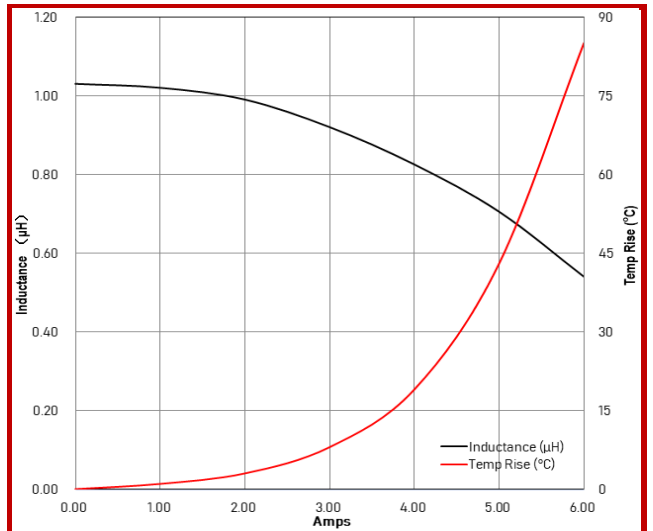
**SPI17-252008-3R3M**



**SPI17-252010-R47M**



**SPI17-252010-1R0M**



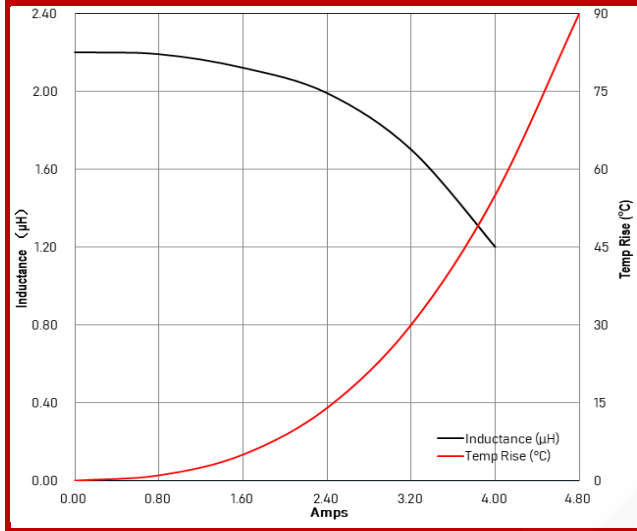




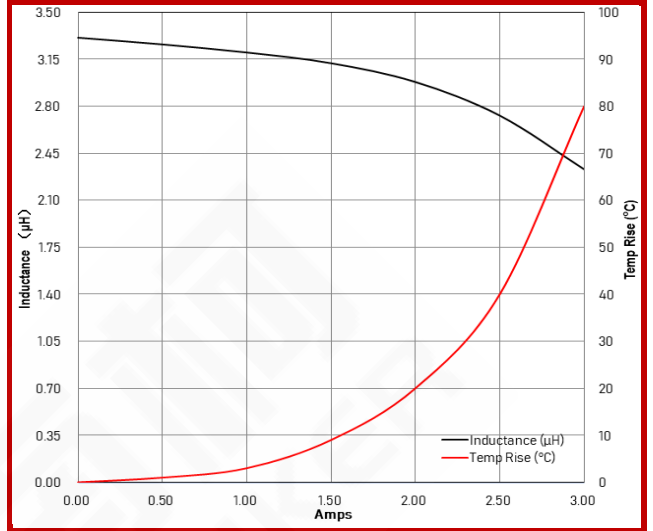
### 饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

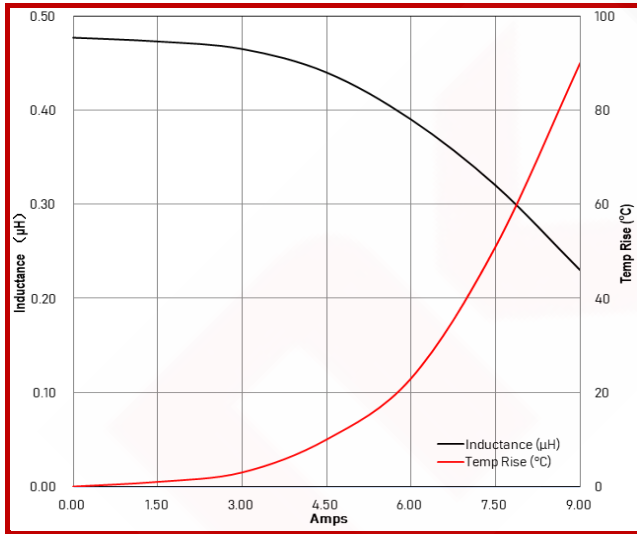
**SPI17-252010-2R2M**



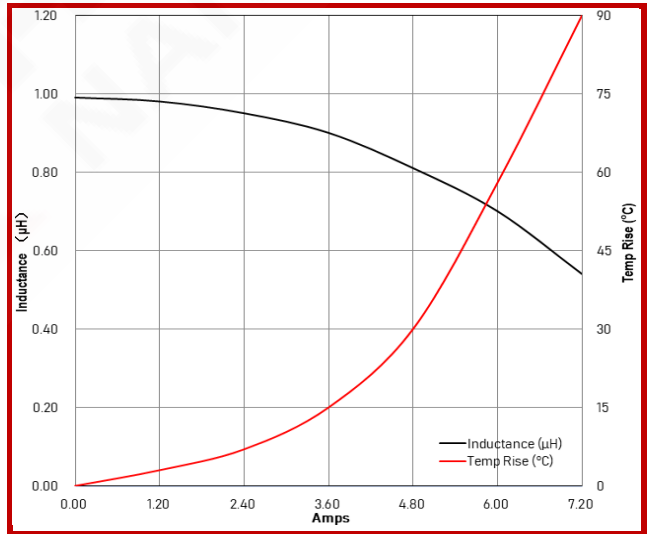
**SPI17-252010-3R3M**



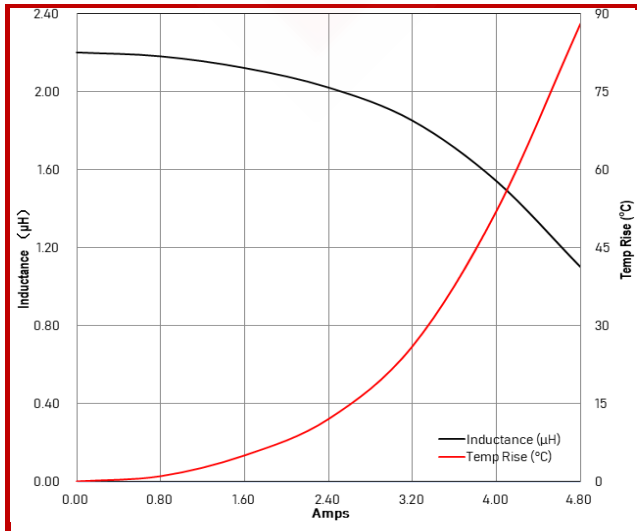
**SPI17-252012-R47M**



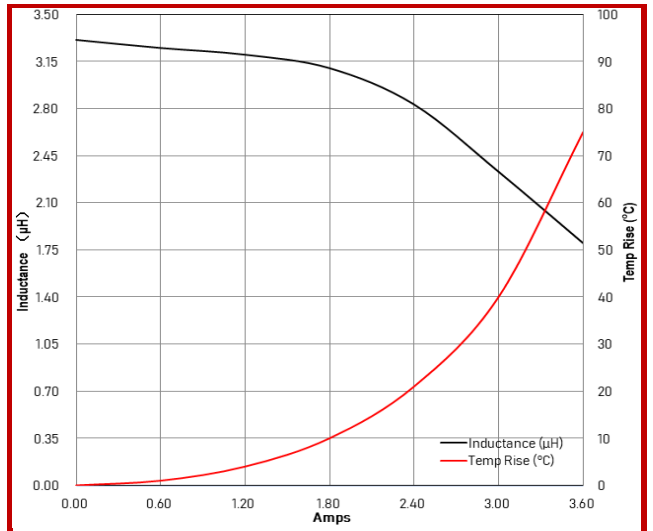
**SPI17-252012-1R0M**

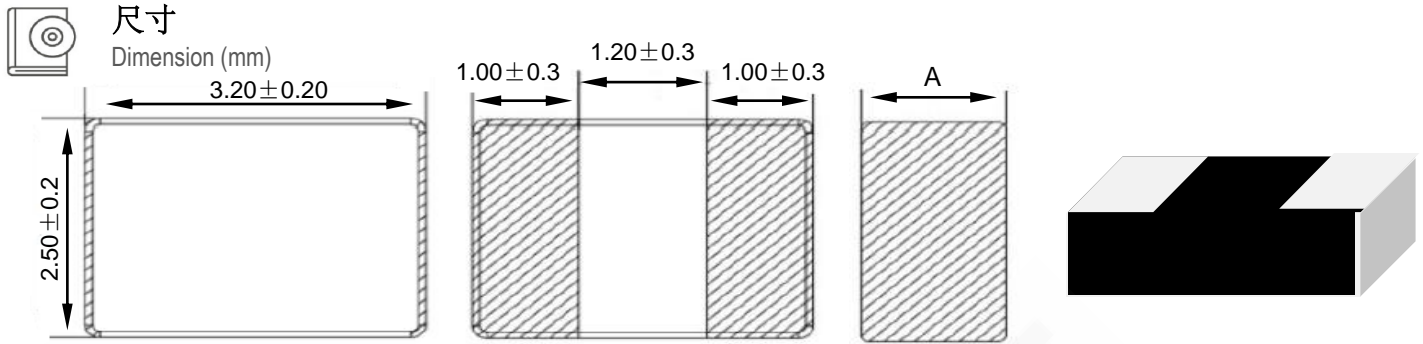


**SPI17-252012-2R2M**



**SPI17-252012-3R3M**

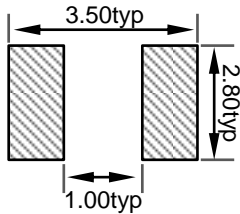




Dimension	322508	322510	322512
A	0.80max	1.00max	1.20max

### 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 <sub>r</sub> typ 40°C (A)	直流电阻 DC Resistance DCR <sub>max</sub> (mΩ)	饱和电流 Saturation Current I <sub>sat</sub> typ (A)	卷盘数量 Taping Reel Qty. pcs
SPI17-322512-R47M	0.47 ±20%	7.50	19.00	8.00	3,000
SPI17-322512-1R0M	1.00 ±20%	5.50	35.00	6.20	3,000
SPI17-322512-2R2M	2.20 ±20%	4.20	75.00	4.50	3,000
SPI17-322512-3R3M	3.30 ±20%	3.00	115.00	3.50	3,000
SPI17-322515-R47M	0.47 ±20%	8.00	17.50	8.50	2,500
SPI17-322515-1R0M	1.00 ±20%	6.00	33.00	6.50	2,500
SPI17-322515-2R2M	2.20 ±20%	4.60	65.00	5.00	2,500
SPI17-322515-3R3M	3.30 ±20%	3.50	105.00	4.00	2,500
SPI17-322520-R47M	0.47 ±20%	8.50	15.50	9.50	2,000
SPI17-322520-1R0M	1.00 ±20%	7.00	28.00	7.50	2,000
SPI17-322520-2R2M	2.20 ±20%	5.00	55.00	5.50	2,000
SPI17-322520-3R3M	3.30 ±20%	4.00	95.00	4.50	2,000
SPI17-322520-4R7M	4.70 ±20%	3.00	125.00	3.50	2,000

### 测试状态

Test Condition

☆ 电感测试条件为 1.0 MHz/ 1.0V

Inductance measure condition at 1.0 MHz/ 1.0V

☆ 工作温度: -55°C ~ +125°C

Operating Temperature: -55°C ~ +125°C

☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值

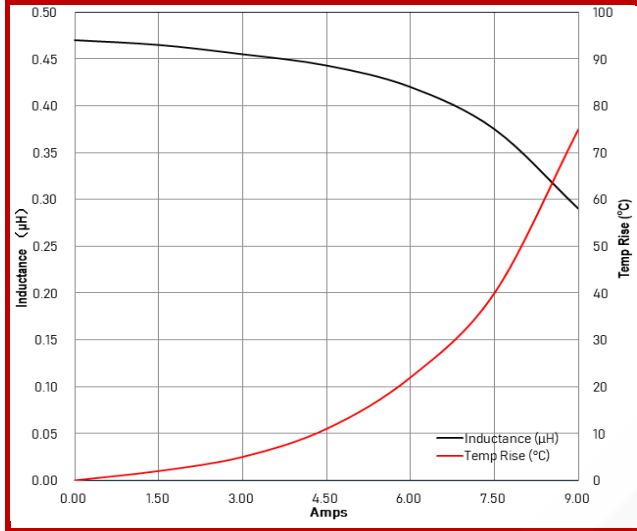
Saturation Current: The actual value of DC current when the inductance drop 30% of initial value



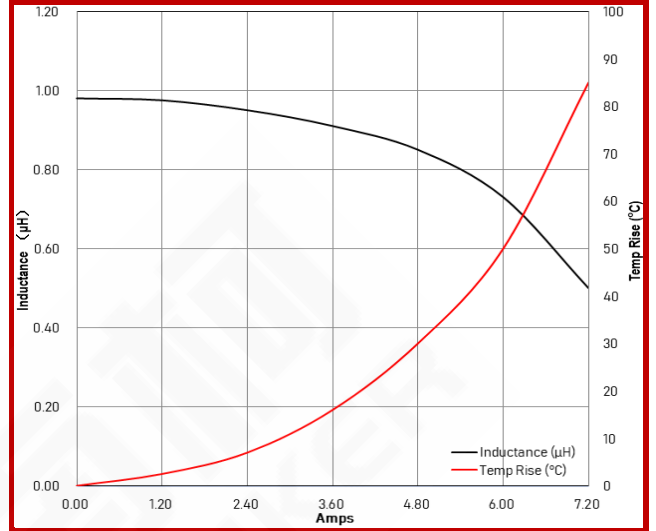
### 饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

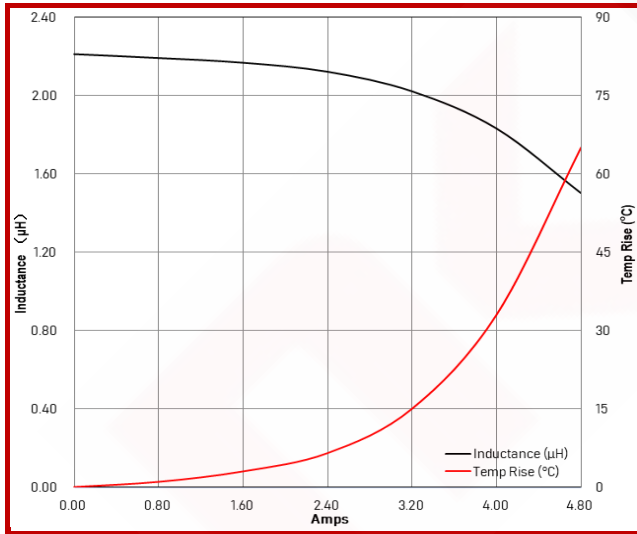
**SPI17-322512-R47M**



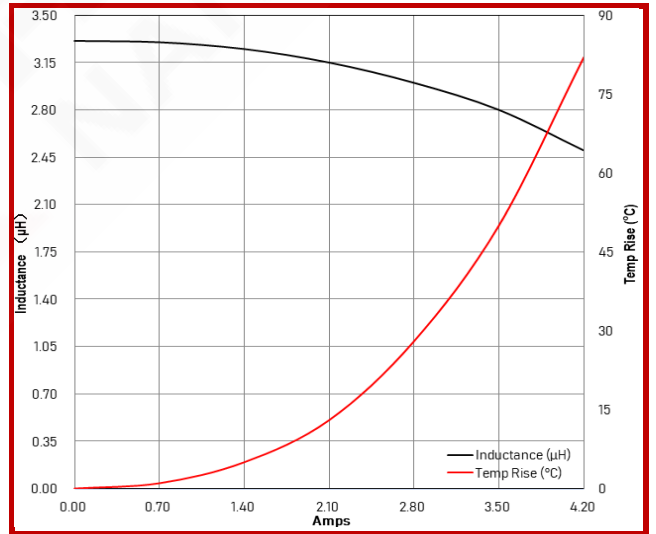
**SPI17-322512-1R0M**



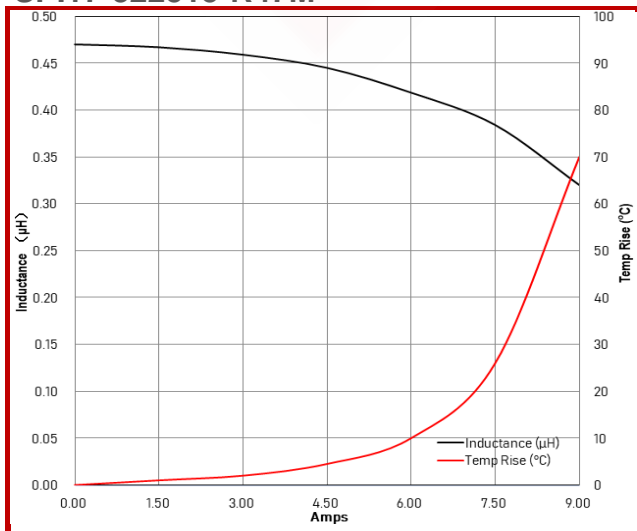
**SPI17-322512-2R2M**



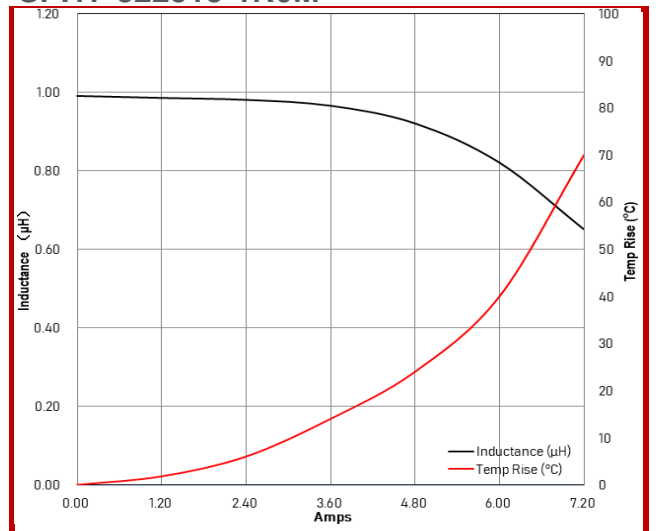
**SPI17-322512-3R3M**



**SPI17-322515-R47M**



**SPI17-322515-1R0M**

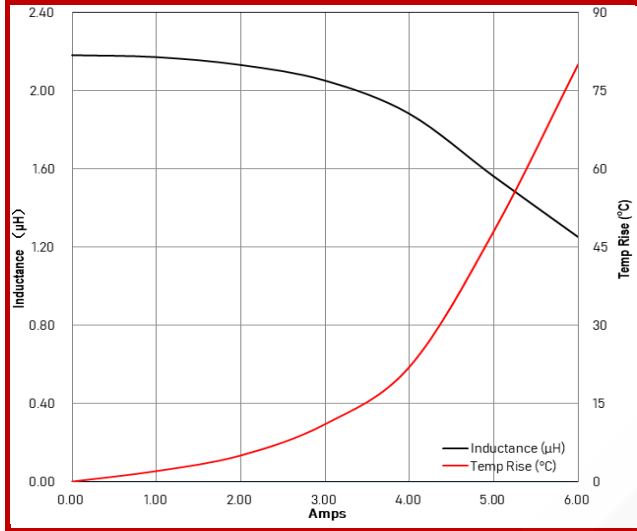




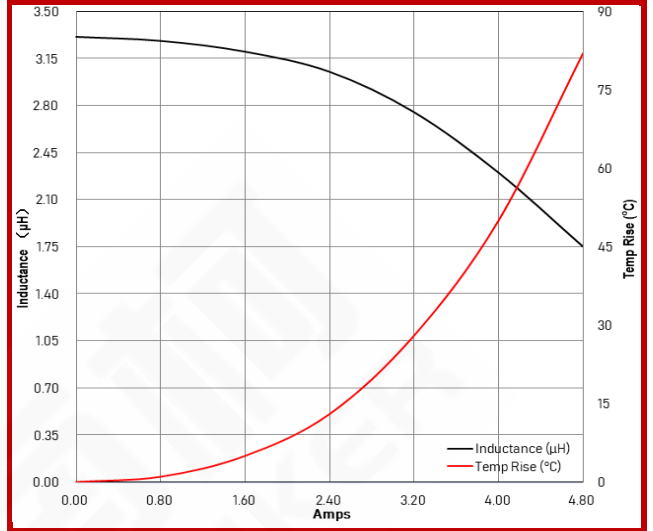
### 饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

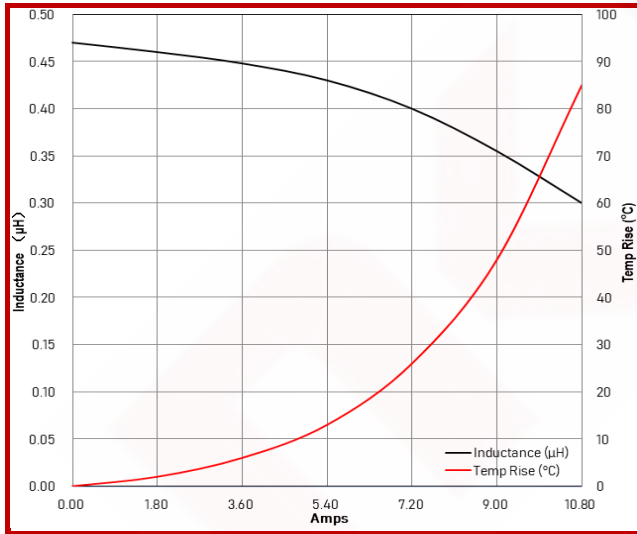
**SPI17-322515-2R2M**



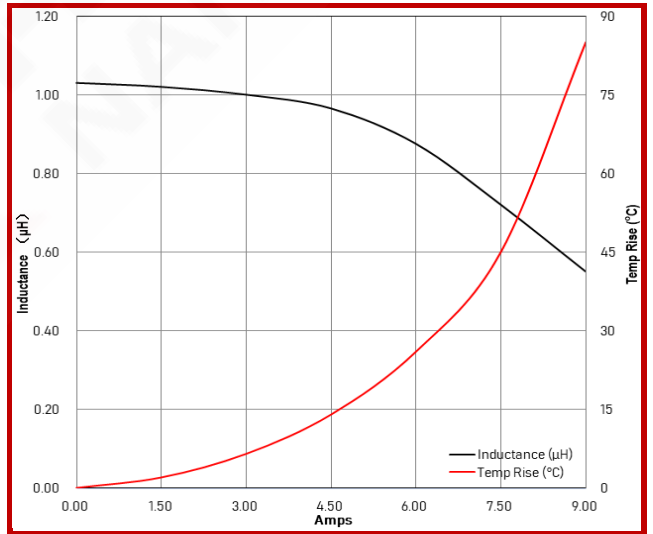
**SPI17-322515-3R3M**



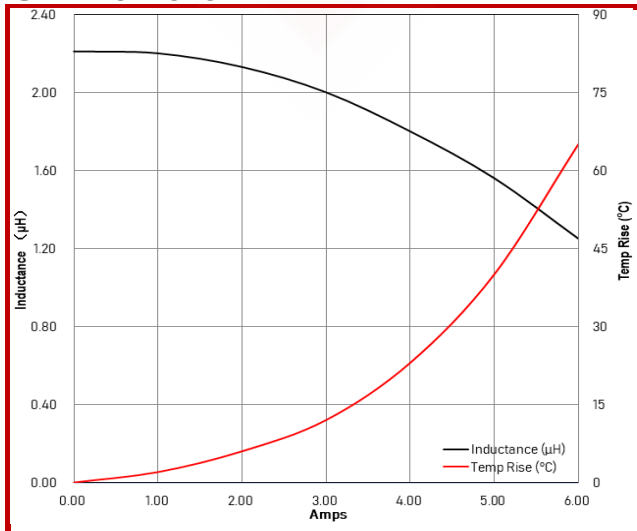
**SPI17-322520-R47M**



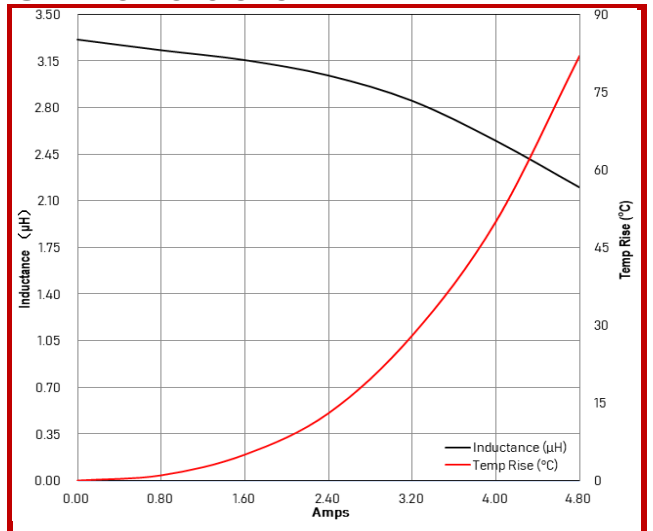
**SPI17-322520-1R0M**

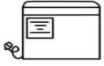


**SPI17-322520-2R2M**



**SPI17-322520-3R3M**

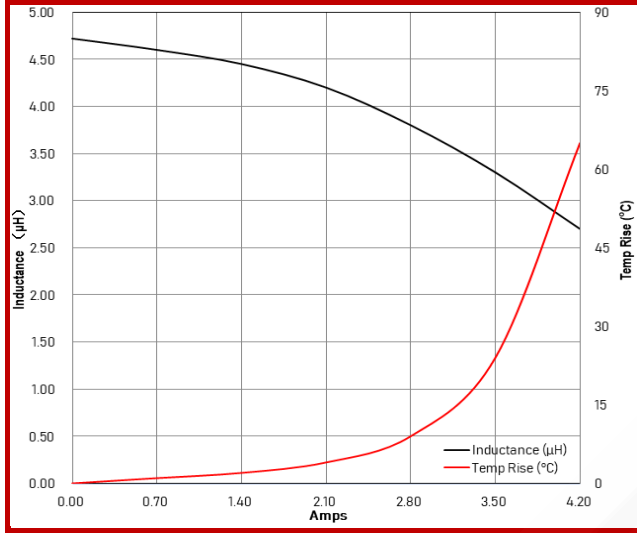


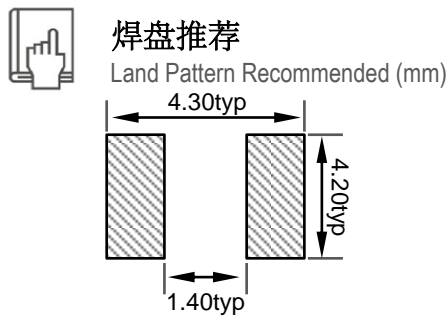
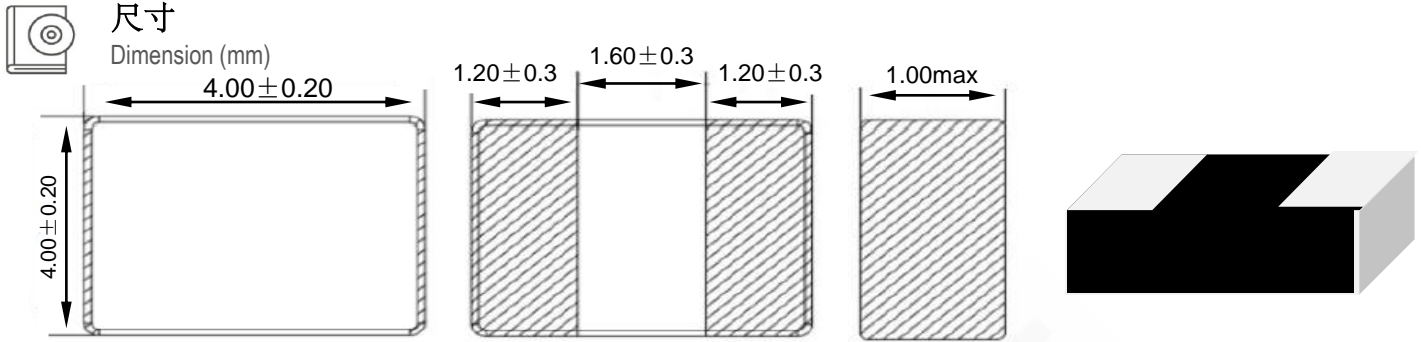


### 饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

#### SPI17-322520-4R7M





**电性特性**  
Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I <sub>r</sub> typ 40°C (A)	直流电阻 DC Resistance DCR <sub>max</sub> (mΩ)	饱和电流 Saturation Current I <sub>sat</sub> typ (A)	卷盘数量 Taping Reel Qty. pcs
SPI17-404010-R47M	0.47 ±20%	9.00	16.00	9.50	2,000
SPI17-404010-R68M	0.68 ±20%	7.50	22.00	8.50	2,000
SPI17-404010-1R0M	1.00 ±20%	6.70	31.00	7.20	2,000
SPI17-404010-1R5M	1.50 ±20%	5.20	51.00	5.70	2,000
SPI17-404010-2R2M	2.20 ±20%	4.50	57.00	5.00	2,000
SPI17-404010-3R3M	3.30 ±20%	4.00	85.00	4.50	2,000
SPI17-404010-4R7M	4.70 ±20%	3.30	110.00	3.80	2,000
SPI17-404010-6R8M	6.80 ±20%	2.70	150.00	3.20	2,000
SPI17-404010-100M	10.00 ±20%	2.45	250.00	2.95	2,000

**测试状态**

Test Condition

☆ 电感测试条件为 1.0 MHz/ 1.0V

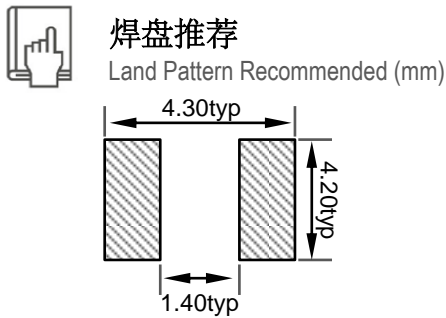
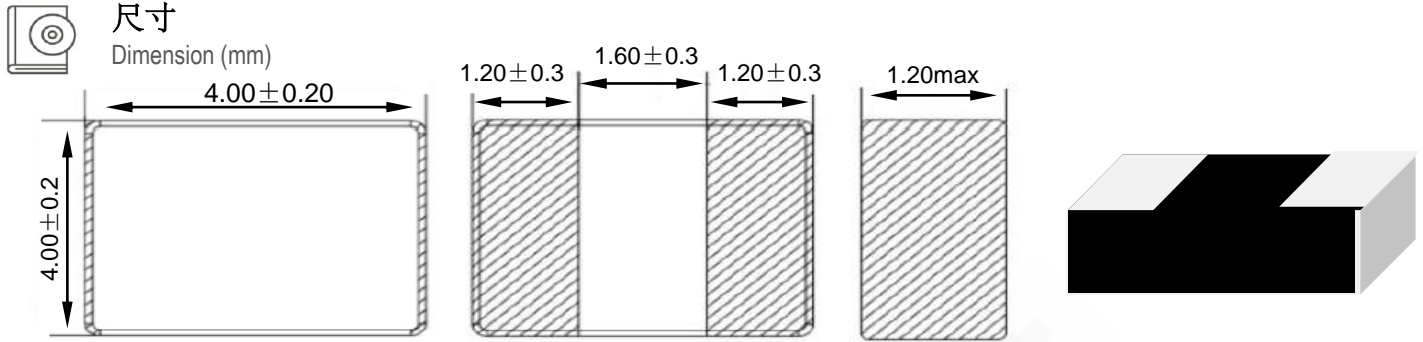
Inductance measure condition at 1.0 MHz/ 1.0V

☆ 工作温度: -55°C ~ +125°C

Operating Temperature: -55°C ~ +125°C

☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值

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



**电性特性**  
Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I <sub>r</sub> typ 40°C (A)	直流电阻 DC Resistance DCR <sub>max</sub> (mΩ)	饱和电流 Saturation Current I <sub>sat</sub> typ (A)	卷盘数量 Taping Reel Qty. pcs
SPI17-404012-R47M	0.47 ±20%	9.50	14.00	10.00	2,000
SPI17-404012-R68M	0.68 ±20%	8.00	20.00	9.00	2,000
SPI17-404012-1R0M	1.00 ±20%	7.20	28.00	7.70	2,000
SPI17-404012-1R5M	1.50 ±20%	5.70	48.00	6.20	2,000
SPI17-404012-2R2M	2.20 ±20%	5.00	55.00	5.50	2,000
SPI17-404012-3R3M	3.30 ±20%	4.50	80.00	5.00	2,000
SPI17-404012-4R7M	4.70 ±20%	3.50	105.00	4.00	2,000
SPI17-404012-6R8M	6.80 ±20%	3.00	160.00	3.50	2,000
SPI17-404012-100M	10.00 ±20%	2.70	240.00	3.00	2,000
SPI17-404012-150M	15.00 ±20%	2.50	320.00	2.70	2,000

**测试状态**

Test Condition

☆ 电感测试条件为 1.0 MHz/ 1.0V

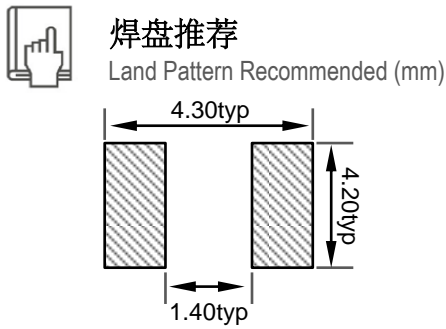
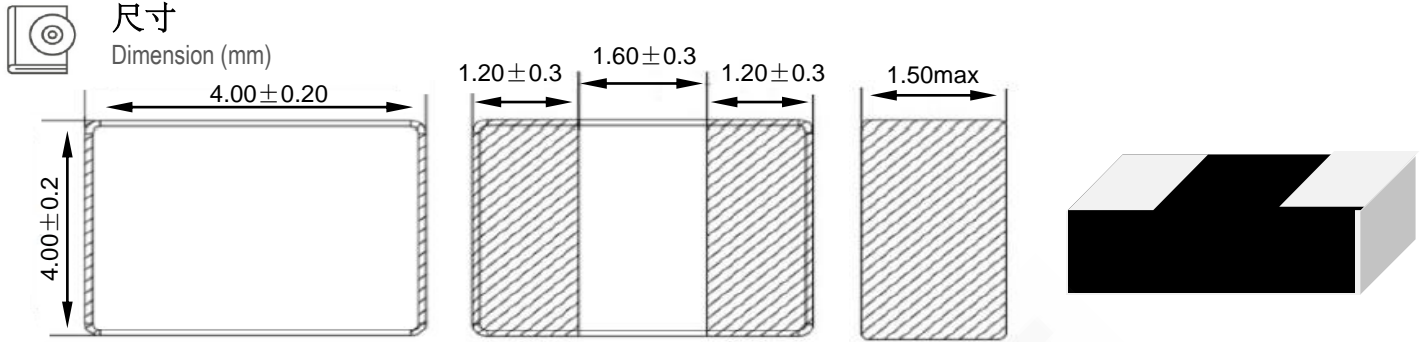
Inductance measure condition at 1.0 MHz/ 1.0V

☆ 工作温度: -55°C ~ +125°C

Operating Temperature: -55°C ~ +125°C

☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值

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



**电性特性**  
Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I <sub>r</sub> typ 40°C (A)	直流电阻 DC Resistance DCR <sub>max</sub> (mΩ)	饱和电流 Saturation Current I <sub>sat</sub> typ (A)	卷盘数量 Taping Reel Qty. pcs
SPI17-404015-R47M	0.47 ±20%	10.00	12.00	10.50	2,000
SPI17-404015-R68M	0.68 ±20%	8.50	18.00	9.50	2,000
SPI17-404015-1R0M	1.00 ±20%	7.70	25.00	8.20	2,000
SPI17-404015-1R5M	1.50 ±20%	6.20	45.00	6.70	2,000
SPI17-404015-2R2M	2.20 ±20%	5.50	52.00	6.00	2,000
SPI17-404015-3R3M	3.30 ±20%	5.00	75.00	5.50	2,000
SPI17-404015-4R7M	4.70 ±20%	3.70	100.00	4.20	2,000
SPI17-404015-6R8M	6.80 ±20%	3.30	150.00	3.70	2,000
SPI17-404015-100M	10.00 ±20%	3.00	230.00	3.30	2,000
SPI17-404015-150M	15.00 ±20%	2.70	305.00	3.00	2,000

**测试状态**

Test Condition

☆ 电感测试条件为 1.0 MHz/ 1.0V

Inductance measure condition at 1.0 MHz/ 1.0V

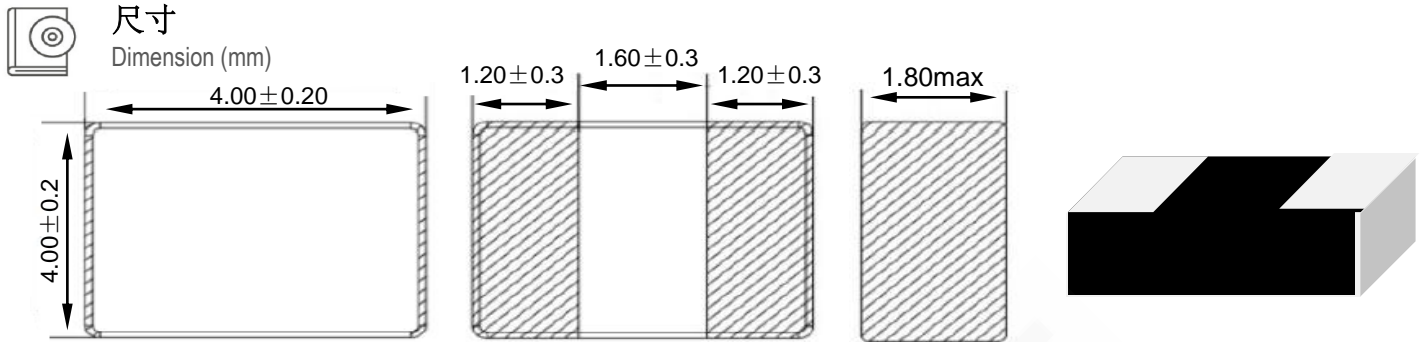
☆ 工作温度: -55°C ~ +125°C

Operating Temperature: -55°C ~ +125°C

☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值

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





型号 Part No.	电感 Inductance μH	温升电流 Rated Current I <sub>r</sub> typ 40°C (A)	直流电阻 DC Resistance DCR <sub>max</sub> (mΩ)	饱和电流 Saturation Current I <sub>sat</sub> typ (A)	卷盘数量 Taping Reel Qty. pcs
SPI17-404018-R47M	0.47 ±20%	10.50	10.00	11.00	2,000
SPI17-404018-R68M	0.68 ±20%	9.00	15.00	10.00	2,000
SPI17-404018-1R0M	1.00 ±20%	8.20	22.00	8.60	2,000
SPI17-404018-1R5M	1.50 ±20%	6.70	42.00	7.20	2,000
SPI17-404018-2R2M	2.20 ±20%	6.00	50.00	6.60	2,000
SPI17-404018-3R3M	3.30 ±20%	5.50	70.00	6.00	2,000
SPI17-404018-4R7M	4.70 ±20%	4.00	95.00	4.50	2,000
SPI17-404018-6R8M	6.80 ±20%	3.50	140.00	4.00	2,000
SPI17-404018-100M	10.00 ±20%	3.30	220.00	3.50	2,000
SPI17-404018-150M	15.00 ±20%	3.00	300.00	3.30	2,000
SPI17-404018-220M	22.00 ±20%	2.70	370.00	3.00	2,000

### 测试状态

Test Condition

☆ 电感测试条件为 1.0 MHz/ 1.0V

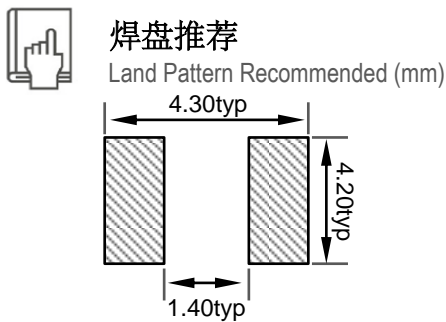
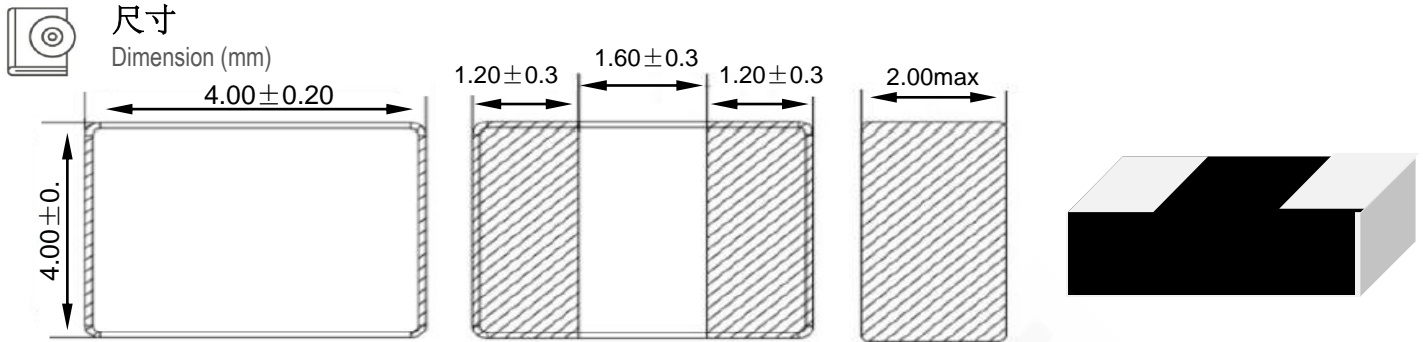
Inductance measure condition at 1.0 MHz/ 1.0V

☆ 工作温度: -55°C ~ +125°C

Operating Temperature: -55°C ~ +125°C

☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值

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



**电性特性**  
Electrical Properties

型号 Part No.	电感 Inductance μH	温升电流 Rated Current I <sub>r</sub> typ 40°C (A)	直流电阻 DC Resistance DCR <sub>max</sub> (mΩ)	饱和电流 Saturation Current I <sub>sat</sub> typ (A)	卷盘数量 Taping Reel Qty. pcs
SPI17-404020-R47M	0.47 ±20%	10.50	8.00	11.00	2,000
SPI17-404020-R68M	0.68 ±20%	9.50	12.00	10.50	2,000
SPI17-404020-1R0M	1.00 ±20%	8.70	20.00	9.20	2,000
SPI17-404020-1R5M	1.50 ±20%	7.20	39.00	7.70	2,000
SPI17-404020-2R2M	2.20 ±20%	6.50	47.00	7.00	2,000
SPI17-404020-3R3M	3.30 ±20%	6.00	65.00	6.50	2,000
SPI17-404020-4R7M	4.70 ±20%	4.30	90.00	4.70	2,000
SPI17-404020-6R8M	6.80 ±20%	3.70	130.00	4.30	2,000
SPI17-404020-100M	10.00 ±20%	3.50	210.00	3.70	2,000
SPI17-404020-150M	15.00 ±20%	3.30	285.00	3.50	2,000
SPI17-404020-220M	22.00 ±20%	3.00	350.00	3.30	2,000

**测试状态**

Test Condition

☆ 电感测试条件为 1.0 MHz/ 1.0V

Inductance measure condition at 1.0 MHz/ 1.0V

☆ 工作温度: -55°C ~ +125°C

Operating Temperature: -55°C ~ +125°C

☆ 饱和电流: 电感值下降其初始值的30%时所加载的实际直流电流值

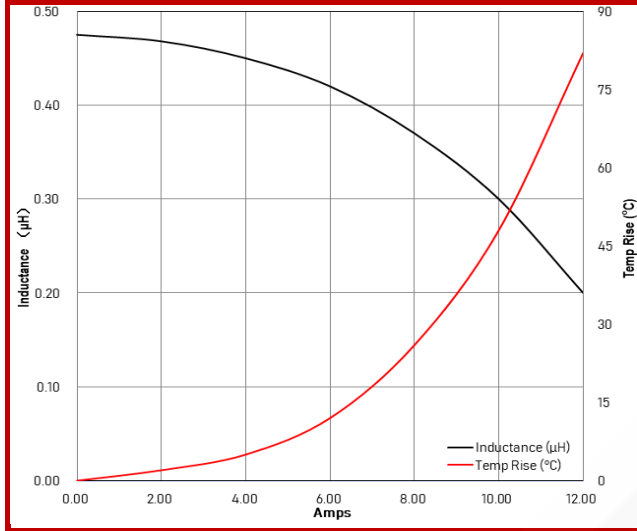
Saturation Current: The actual value of DC current when the inductance drop 30% of initial value



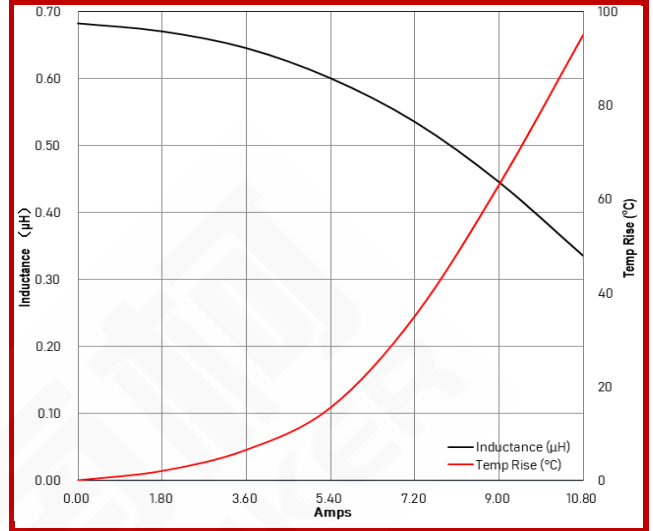
### 饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

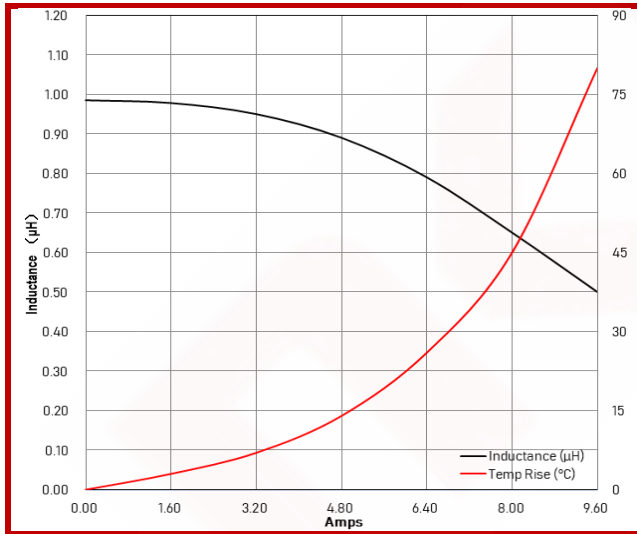
**SPI17-404010-R47M**



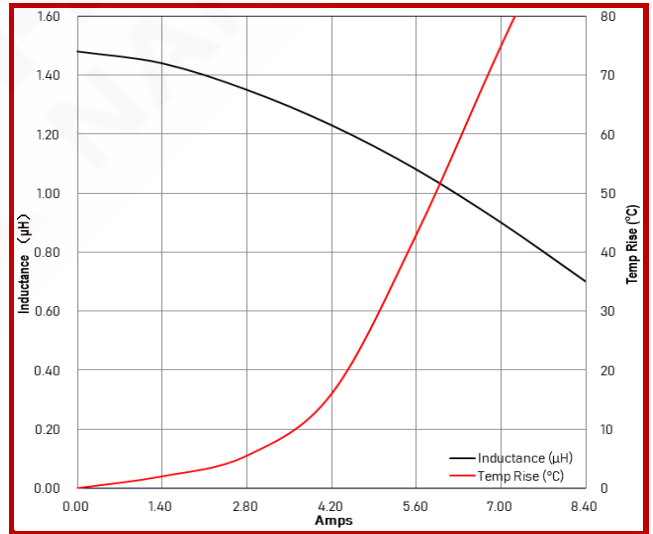
**SPI17-404010-R68M**



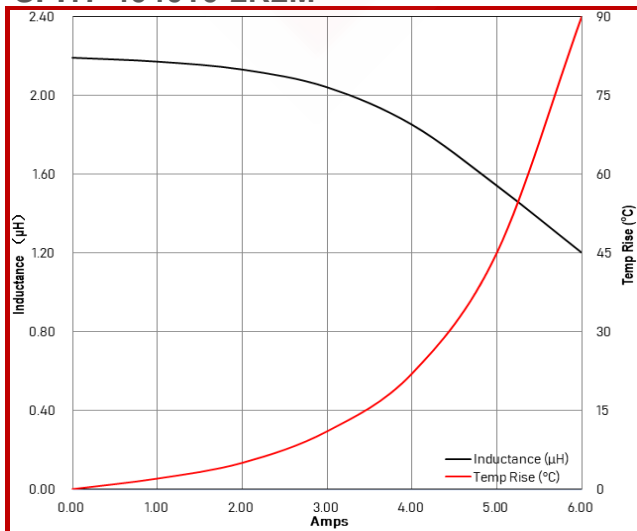
**SPI17-404010-1R0M**



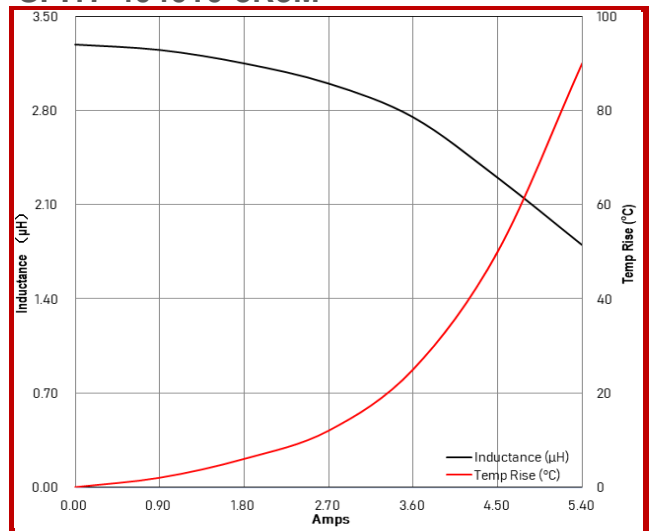
**SPI17-404010-1R5M**



**SPI17-404010-2R2M**



**SPI17-404010-3R3M**

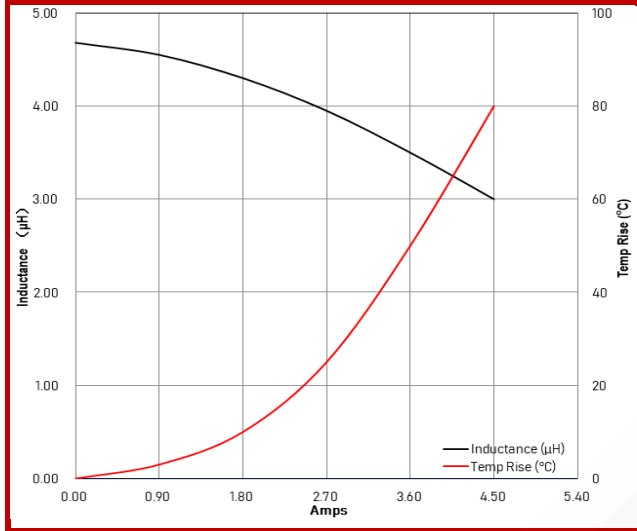




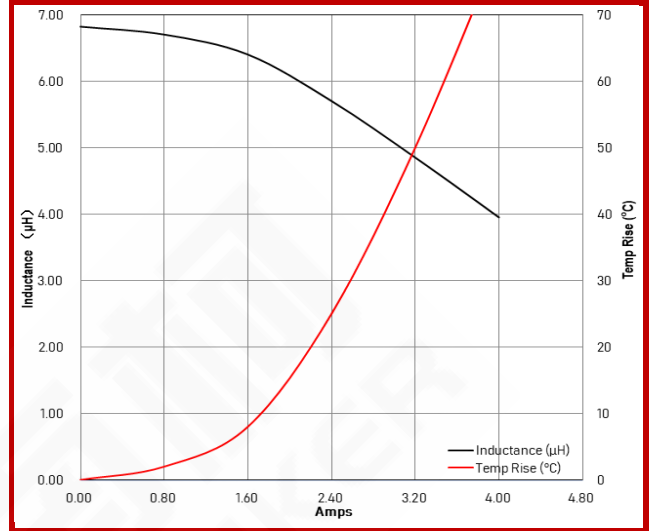
### 饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

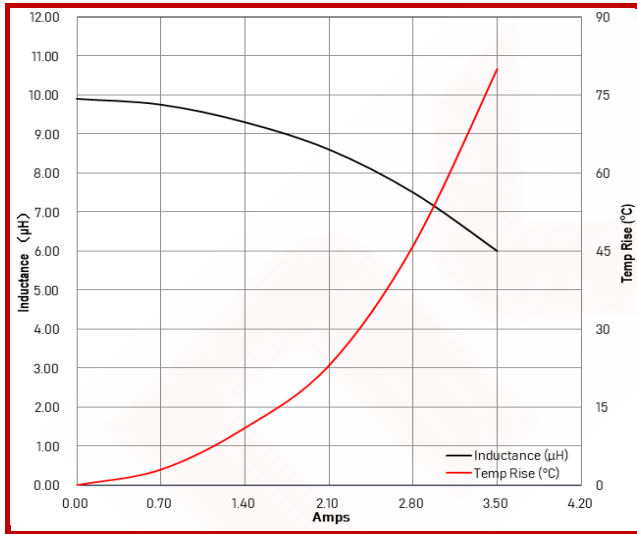
**SPI17-404010-4R7M**



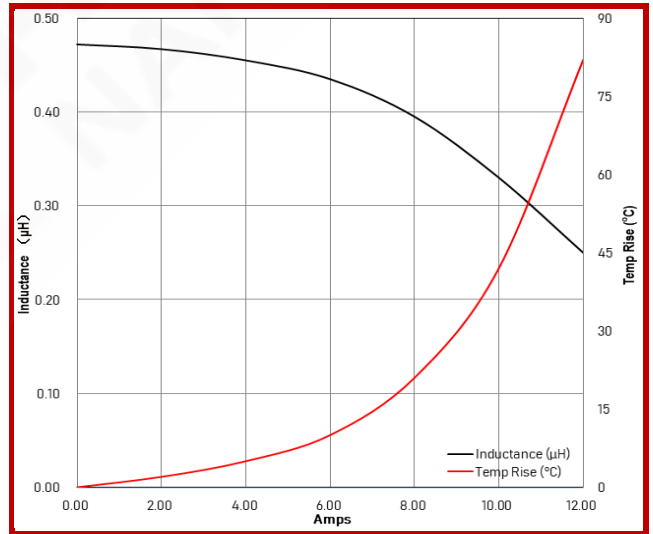
**SPI17-404010-6R8M**



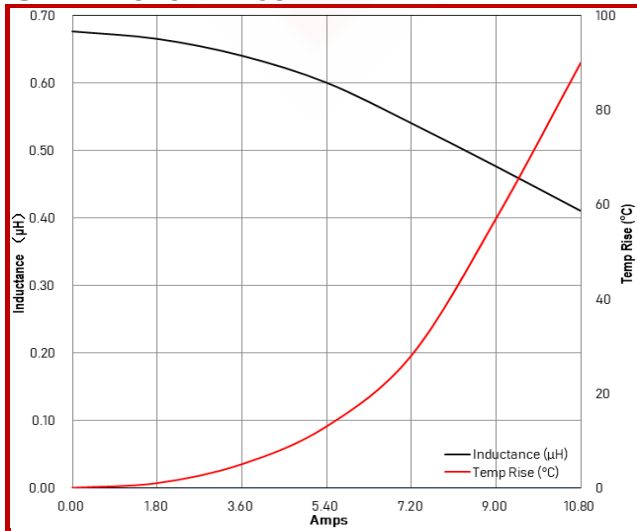
**SPI17-404010-100M**



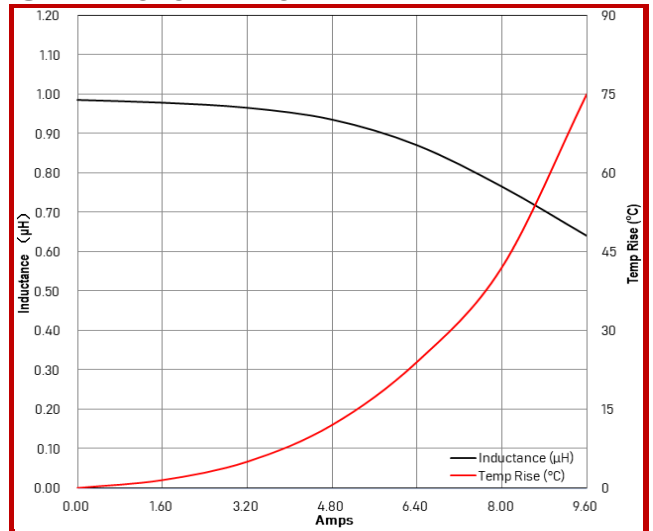
**SPI17-404012-R47M**



**SPI17-404012-R68M**



**SPI17-404012-1R0M**

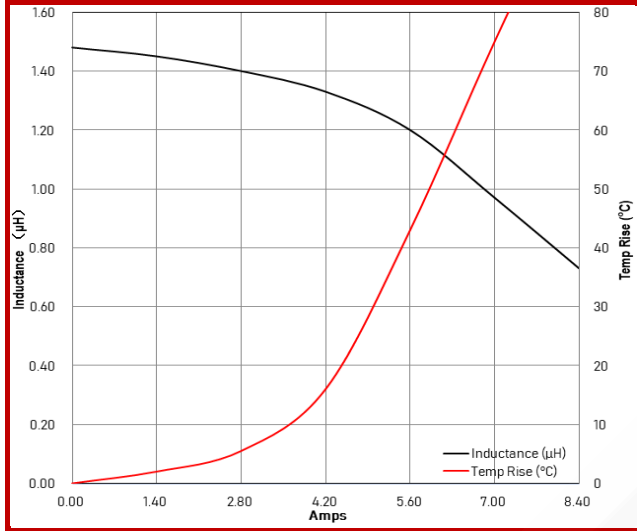




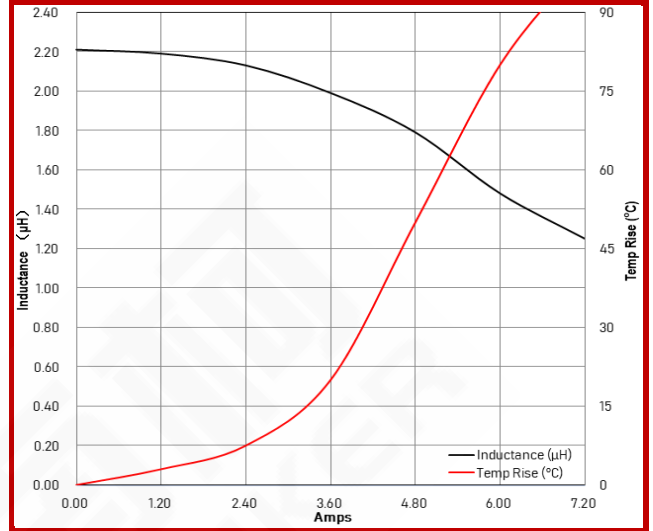
### 饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

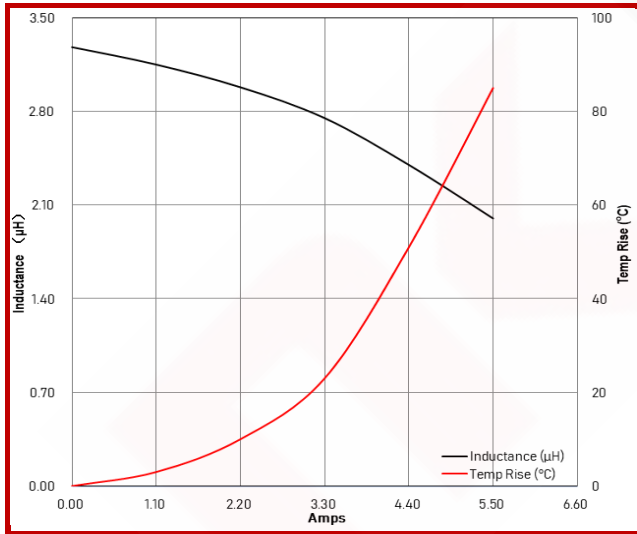
**SPI17-404012-1R5M**



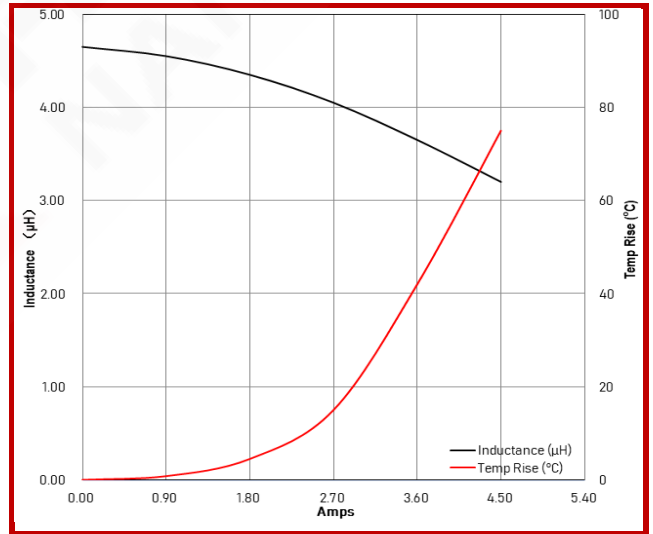
**SPI17-404012-2R2M**



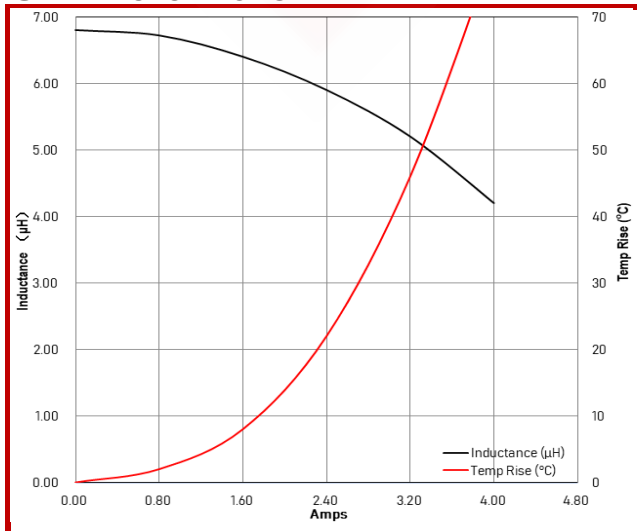
**SPI17-404012-3R3M**



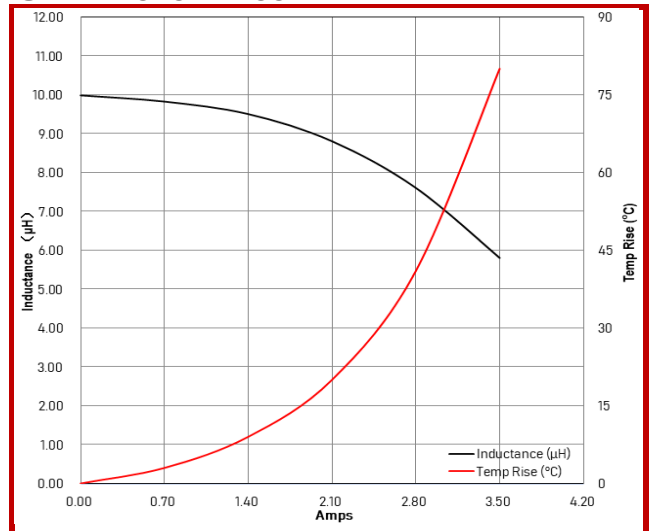
**SPI17-404012-4R7M**



**SPI17-404012-6R8M**



**SPI17-404012-100M**

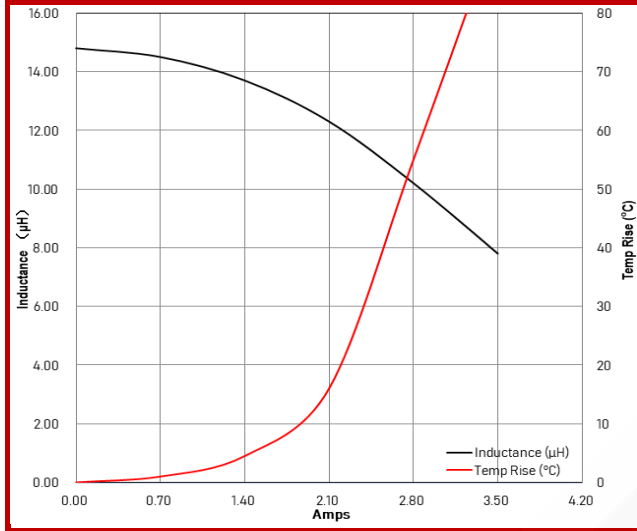




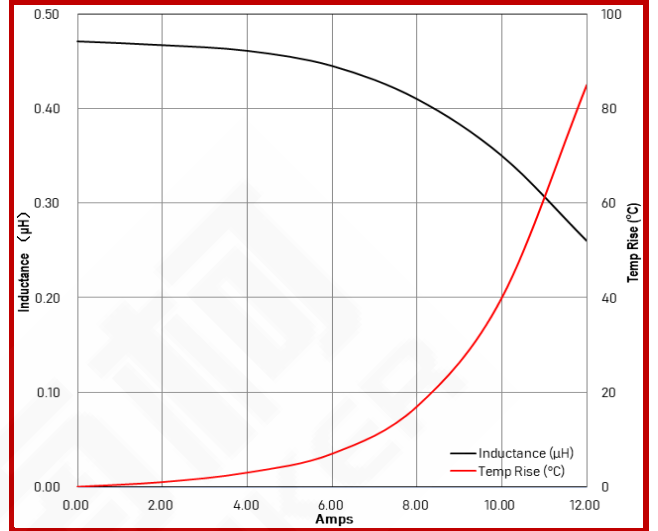
### 饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

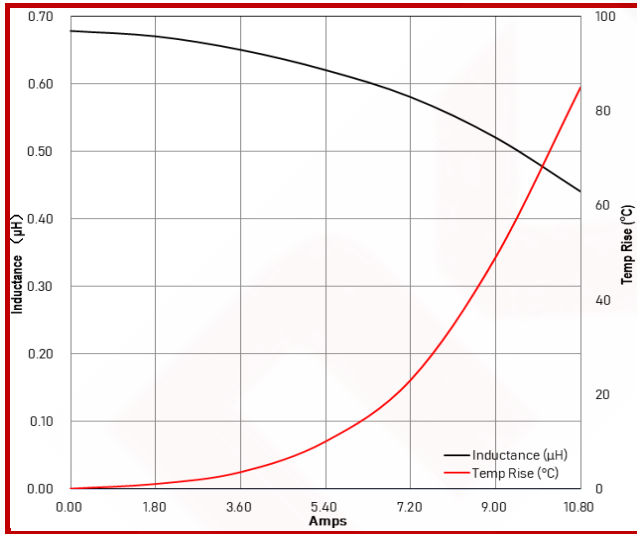
**SPI17-404012-150M**



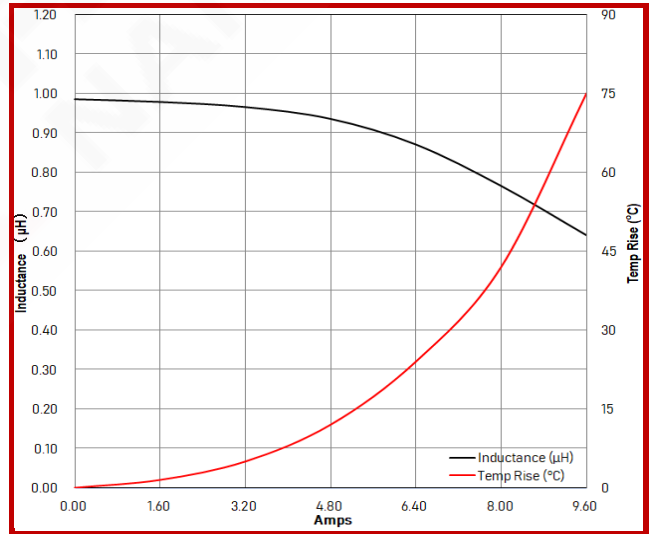
**SPI17-404015-R47M**



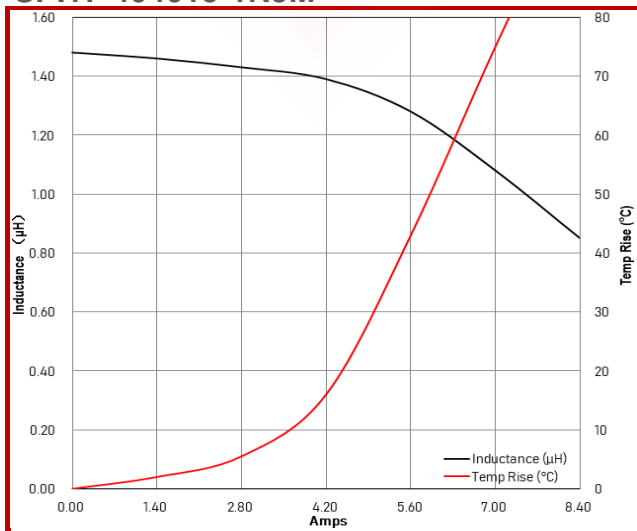
**SPI17-404015-R68M**



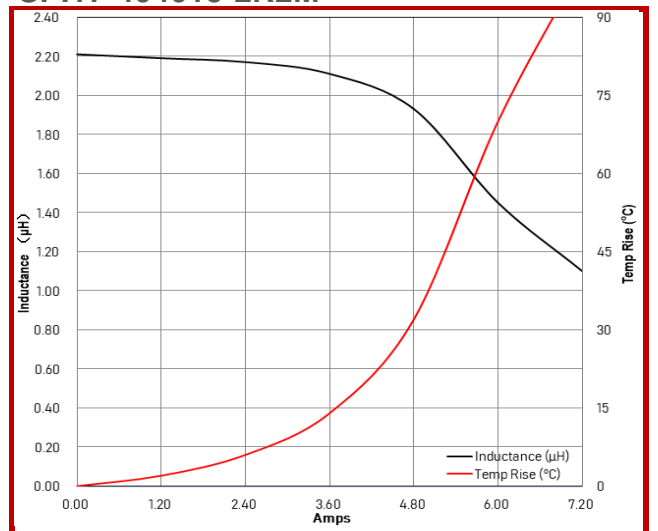
**SPI17-404015-1R0M**



**SPI17-404015-1R5M**



**SPI17-404015-2R2M**

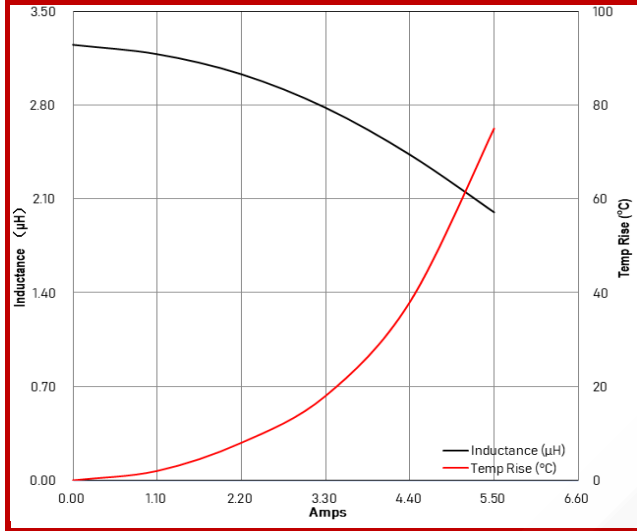




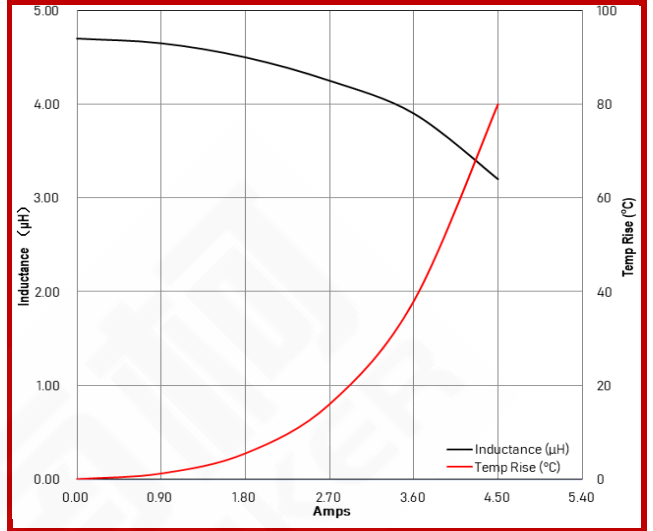
### 饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

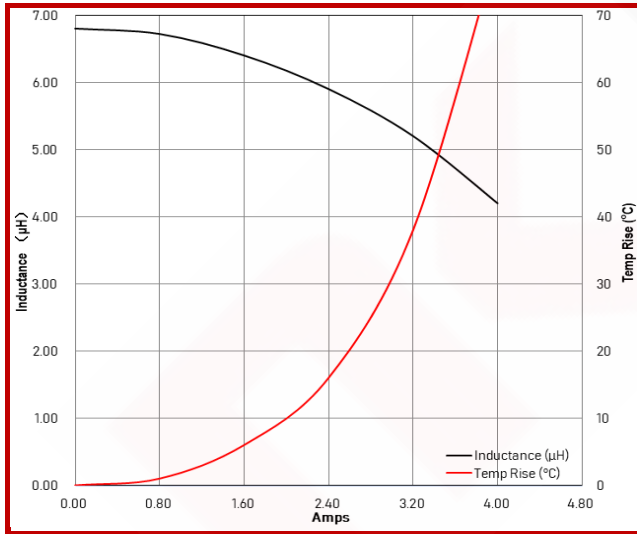
**SPI17-404015-3R3M**



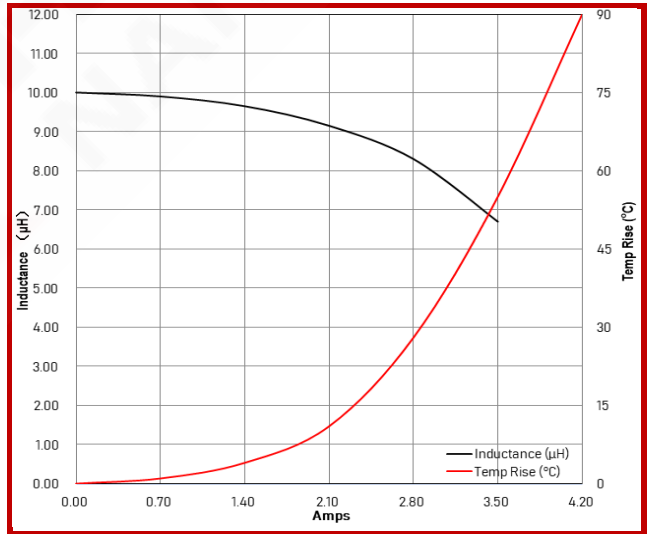
**SPI17-404015-4R7M**



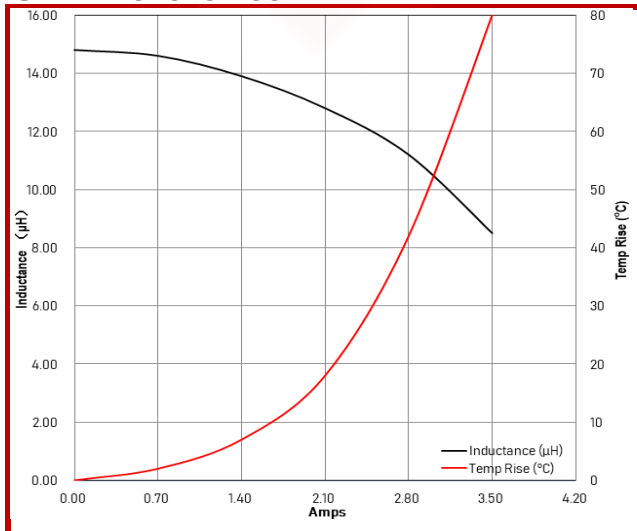
**SPI17-404015-6R8M**



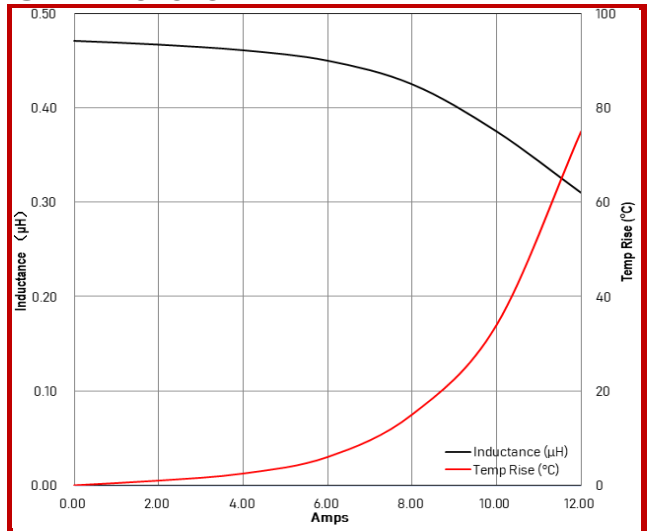
**SPI17-404015-100M**



**SPI17-404015-150M**



**SPI17-404018-R47M**

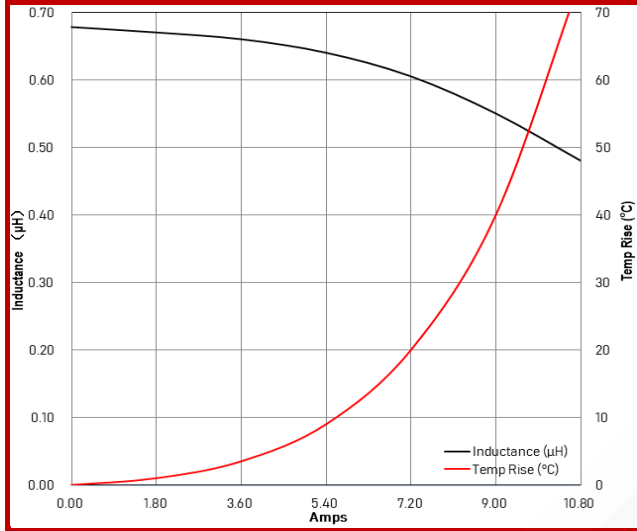




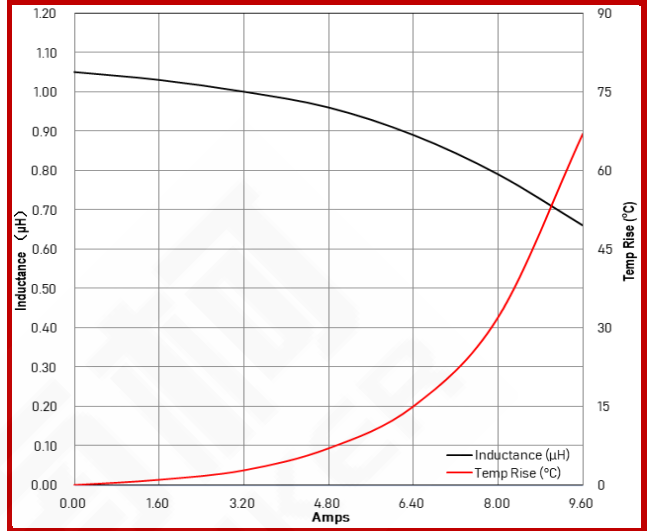
### 饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

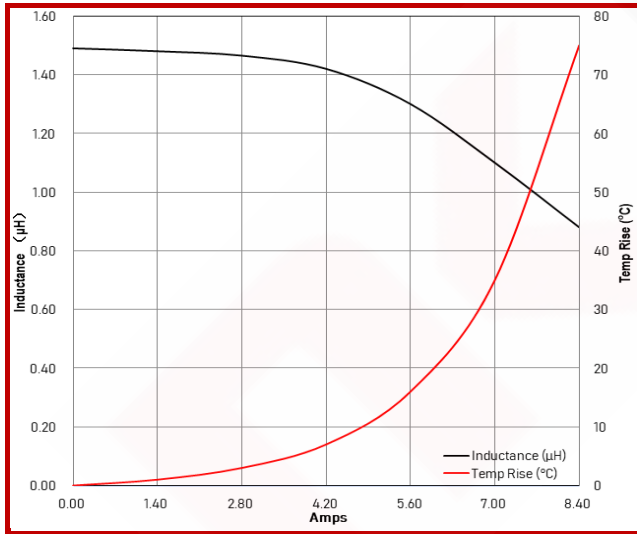
**SPI17-404018-R68M**



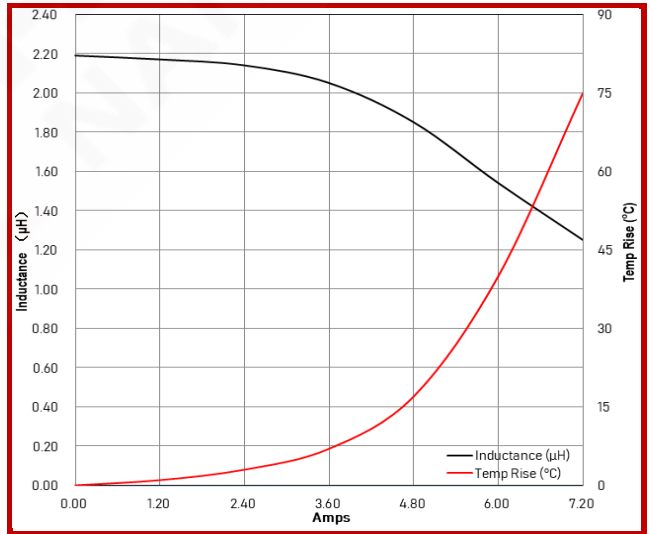
**SPI17-404018-1R0M**



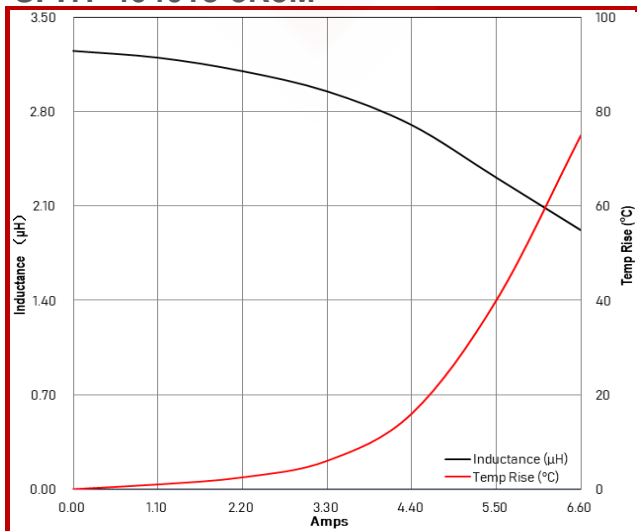
**SPI17-404018-1R5M**



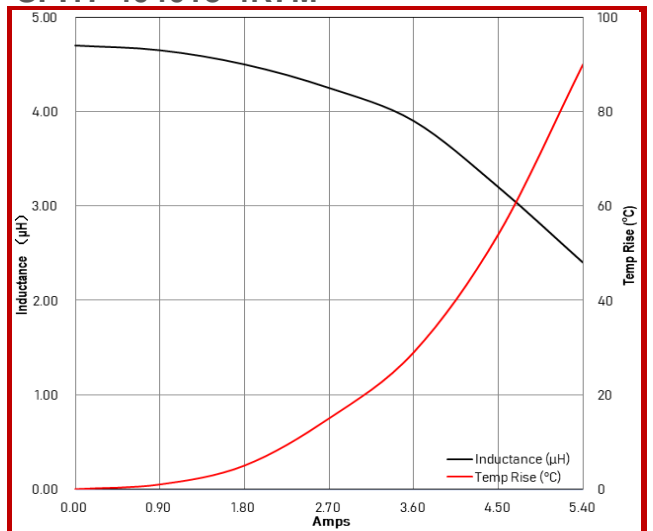
**SPI17-404018-2R2M**



**SPI17-404018-3R3M**



**SPI17-404018-4R7M**



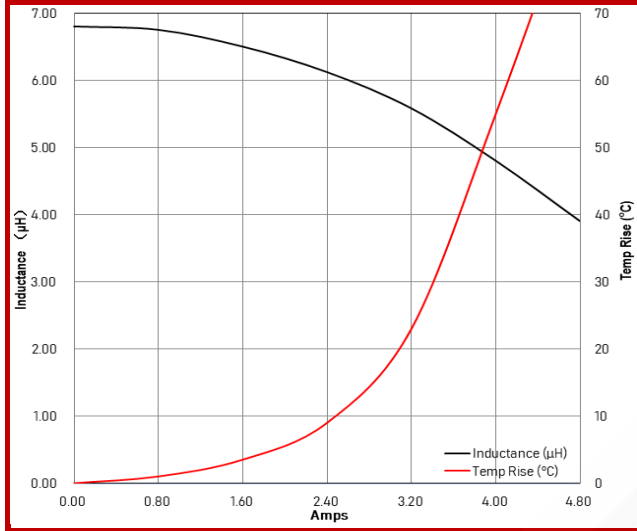




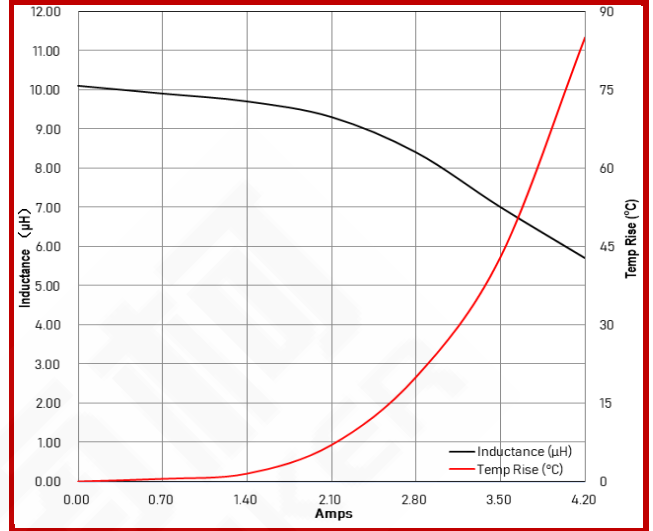
### 饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

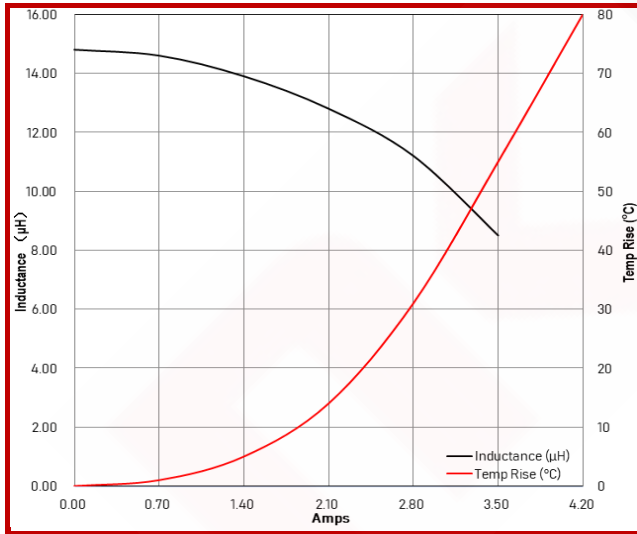
**SPI17-404018-6R8M**



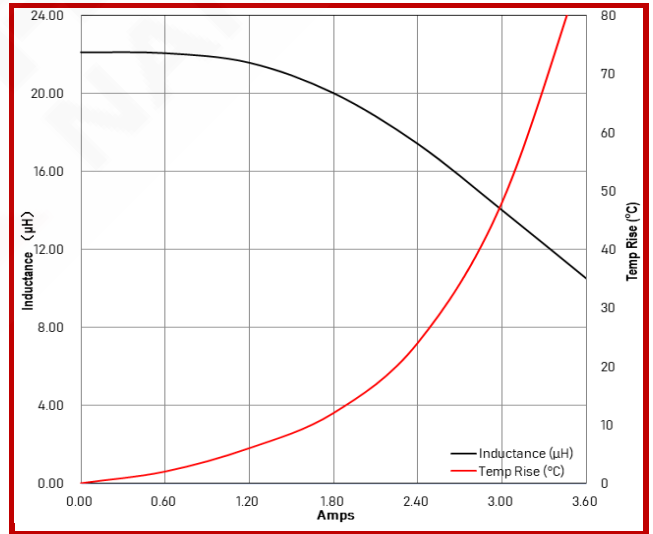
**SPI17-404018-100M**



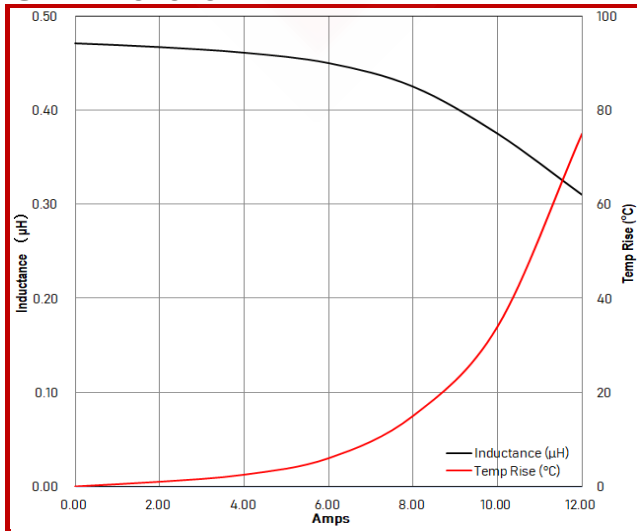
**SPI17-404018-150M**



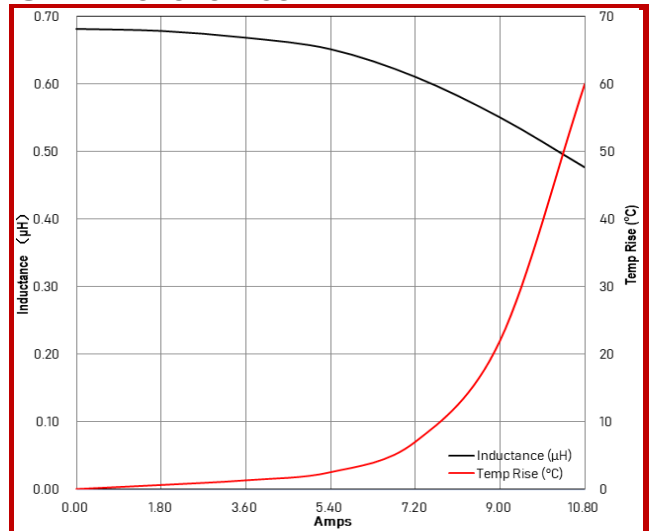
**SPI17-404018-220M**



**SPI17-404020-R47M**



**SPI17-404020-R68M**

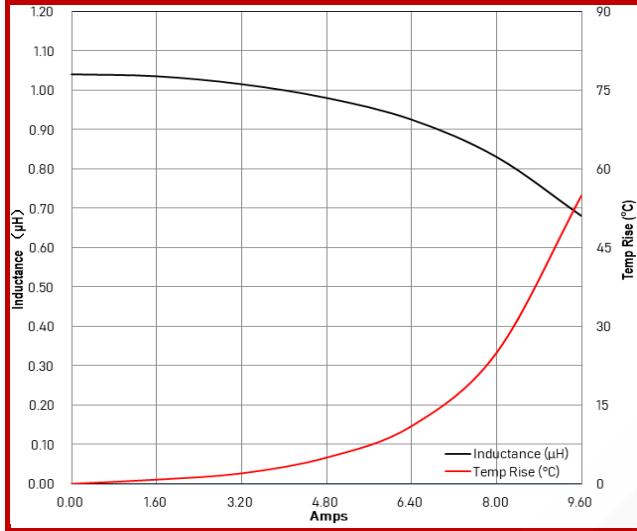




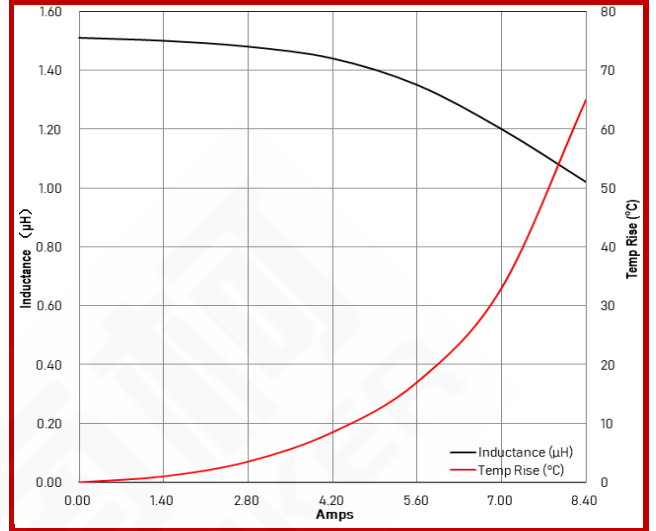
### 饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

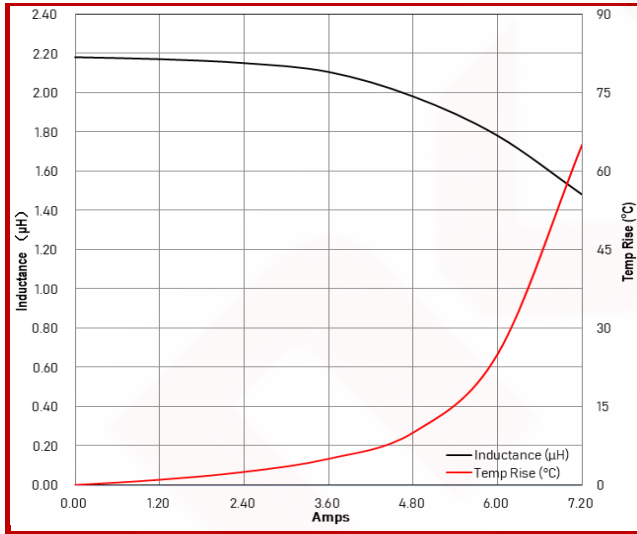
**SPI17-404020-1R0M**



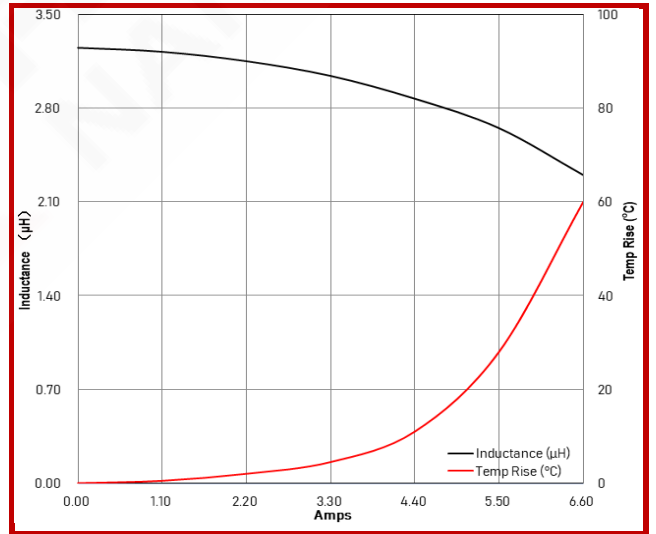
**SPI17-404020-1R5M**



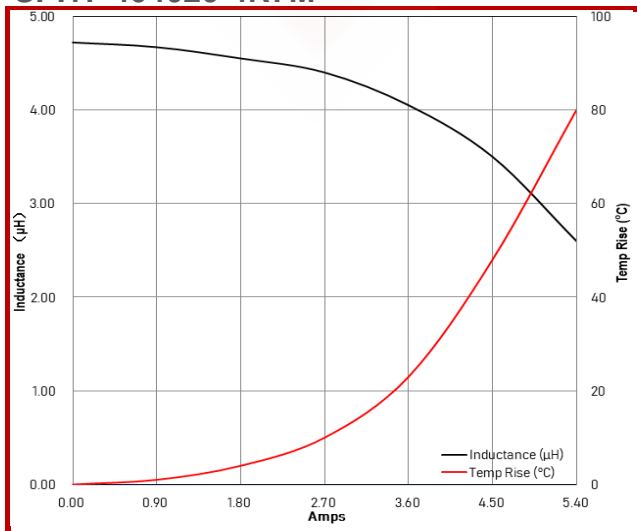
**SPI17-404020-2R2M**



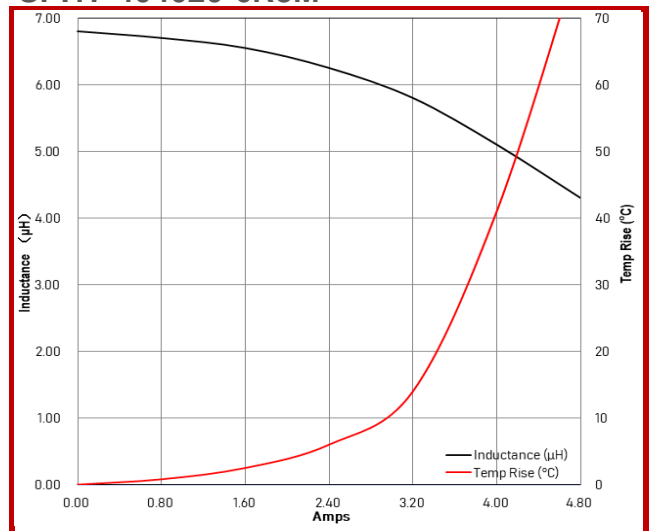
**SPI17-404020-3R3M**



**SPI17-404020-4R7M**



**SPI17-404020-6R8M**

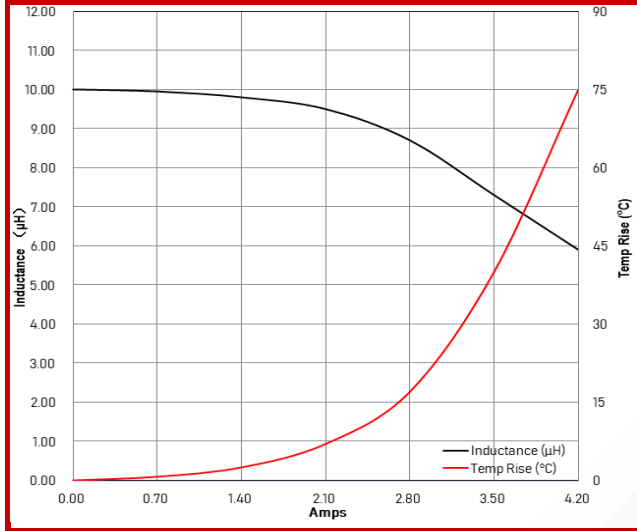




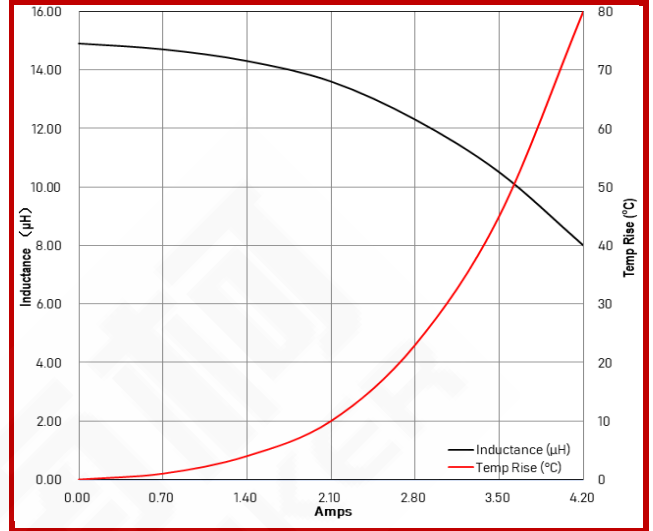
### 饱和电流VS温升电流曲线

Saturation current vs temperature rise current curve

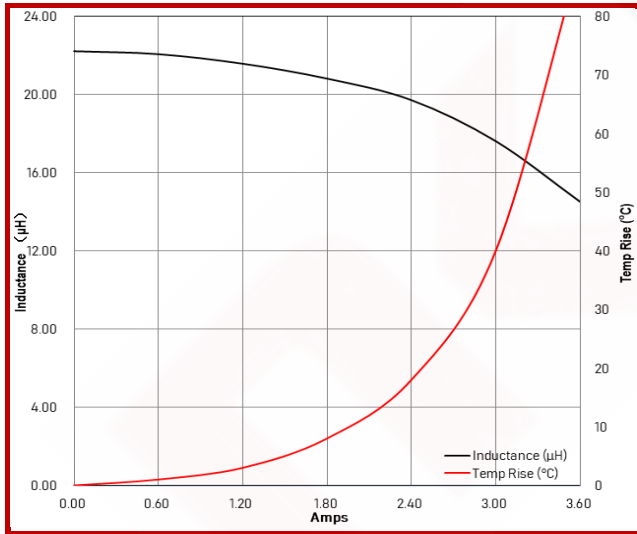
**SPI17-404020-100M**



**SPI17-404020-150M**



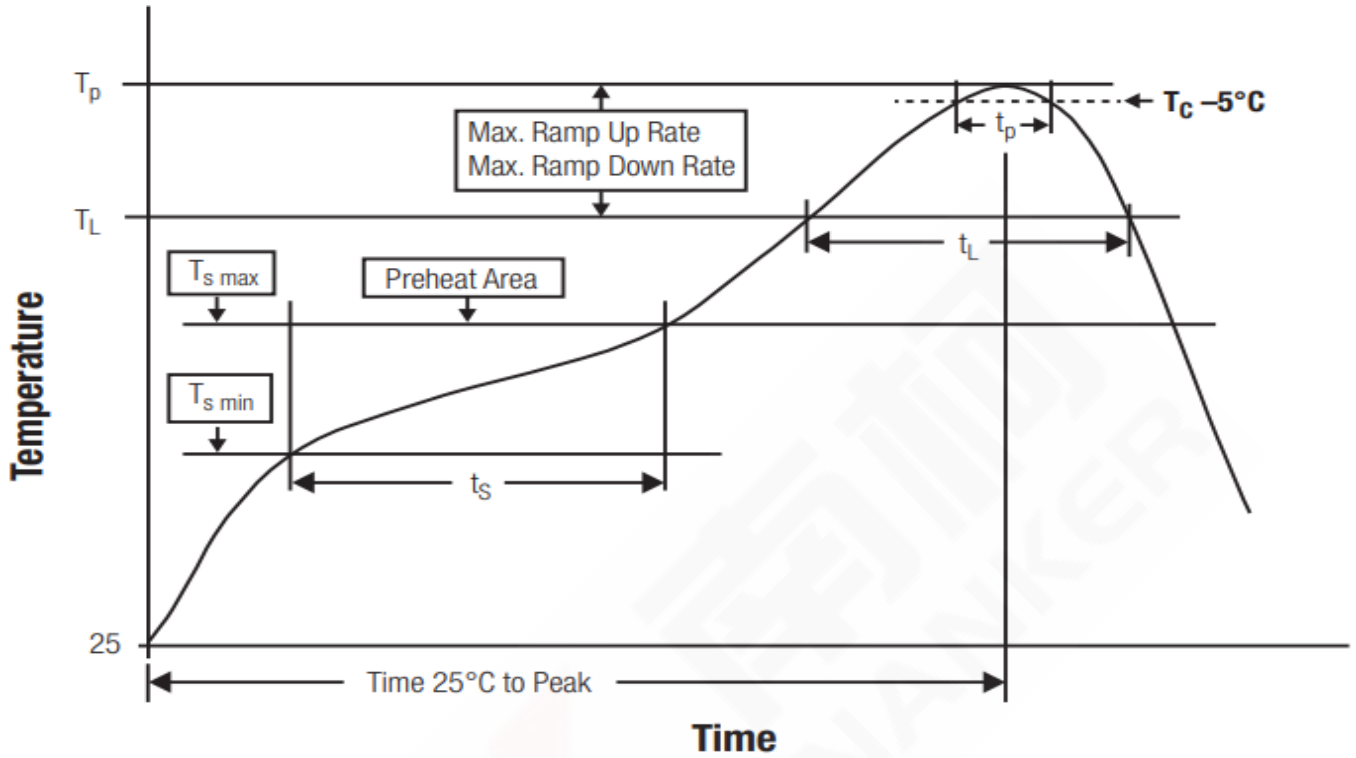
**SPI17-404020-220M**





### 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 <sup>3</sup>	350~2,000 mm <sup>3</sup>	>2,000 mm <sup>3</sup>
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.