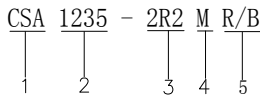


## CSA1235系列 CSA1235 Series

### 产品标示 Product Indication



- (1) 产品类型: CSA系列
- (2) 外观尺寸: 12表示宽12.6mm 35表示高3.5mm
- (3) 电气特性表示: 2R2表示2.2uH
- (4) 允许公差: M表示±20%
- (5) 包装方式: R表示载带盘装; B表示袋装

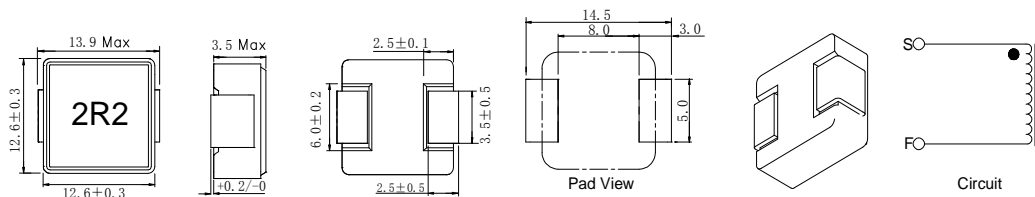


- (1) Product Type CSA series
- (2) External dimensions: 12 for width 12.6mm 35 for Height 5.0mm
- (3) Electrical code: 2R2 for 2.2uH
- (4) Tolerance: M for ±20%
- (5) Packing style: R for carrier tape reel; B for in bulk

### 特性 & 应用 Features & Applications

- 一体成型、贴片式圆铜线绕制构造。
- 低电阻、低损耗、小体积大电流设计。
- 磁性屏蔽结构，工作频率范围高达1MHz以上。
- 使用低损耗的合金系磁性粉末压铸成型，可避免噪音产生。
- 在高频和高温环境下具有良好的直流电流特性。
- 适于回流焊SMT工艺。
- 无铅产品，符合环保指令。
- 最适用于个人电脑和分配电源系统以及电压调节模块等的DC-DC升降压转换的应用。
- 可按照客户工程需要，并根据Power最小损耗来选用不同的合金系磁性粉末进行设计和压铸生产。
- Composite forming、SMD type copper ribbon round wire structure.
- Low DCR, lower loss, low profile package with large current design.
- Magnetically shielded construction, High frequency range up to 1MHz.
- The use low loss of magnetic iron powder core die-casting forming, avoid ultra low buzz noise.
- Good DC current characteristics in high frequency and high temperature.
- Suitable for SMT craft reflow soldering.
- Lead free products, RoHS compliant.
- Personal computers and distributed power systems or VRM applications for DC-DC converter ent.
- Can choose different magnetic alloy power to design and produce by the way of die-casting in accordance with customer demands and the minimum loss of power.

### 外形尺寸(单位:mm) & 电气性能 Shape and Dimensions(Unit:mm) & Electrical Characteristics



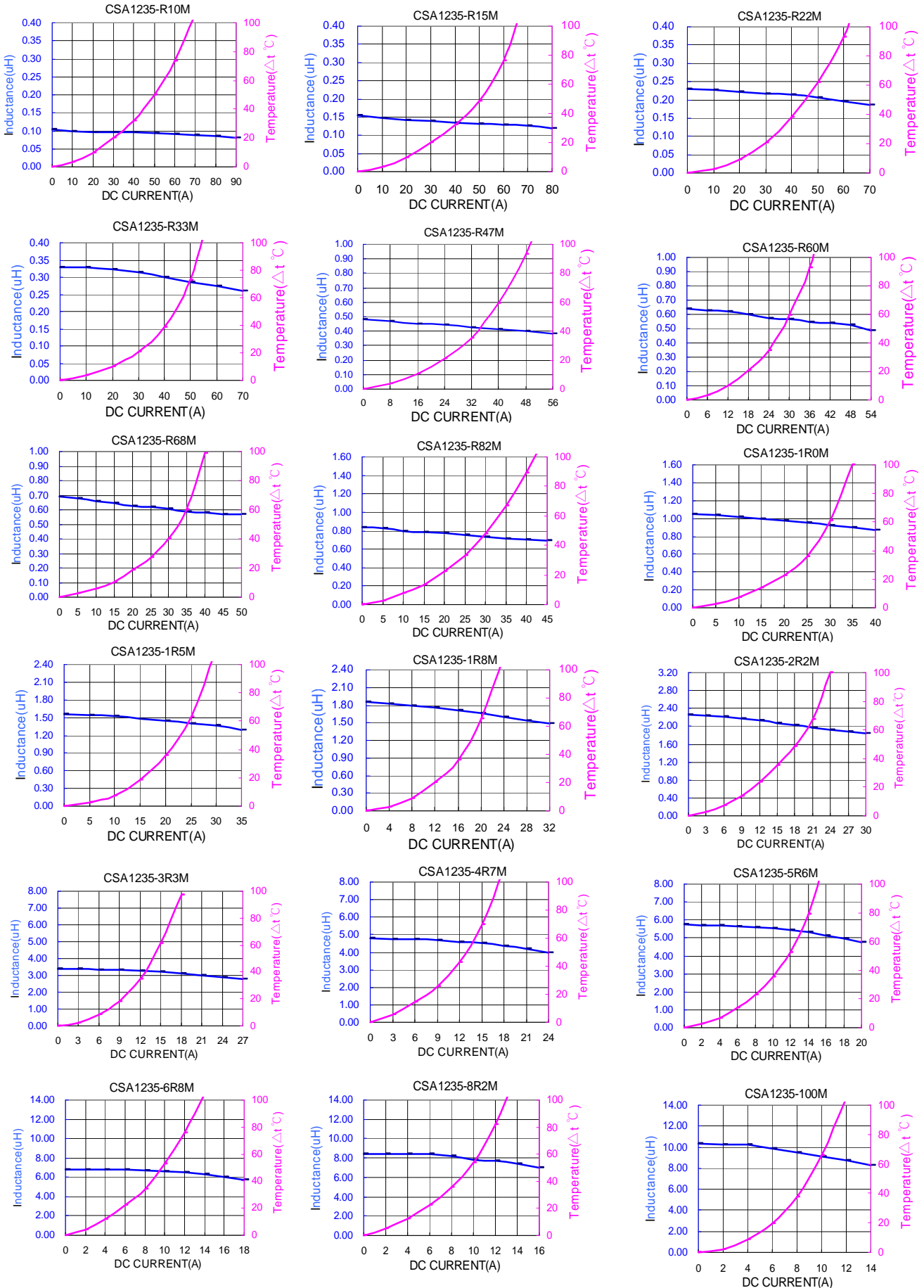
产品编号 Part No.	电感值 Inductance L (uH) ±20%	直流电阻 (mΩ) DC Resistance		温升电流 Heat Rated Current (A) Max	饱和电流 Saturation current (A) Max	Thickness (mm) max
		Typical	Max			
CSA1235-R10M	0.10	0.80	0.96	43.0	84.0	3.5
CSA1235-R15M	0.15	1.00	1.20	41.0	75.0	3.5
CSA1235-R22M	0.22	1.10	1.30	38.5	65.0	3.5
CSA1235-R33M	0.33	1.30	1.50	36.5	62.0	3.5
CSA1235-R47M	0.47	1.60	2.00	32.0	55.0	3.5
CSA1235-R60M	0.60	1.80	2.20	29.0	51.0	3.5
CSA1235-R68M	0.68	2.30	2.50	28.0	49.0	3.5
CSA1235-R82M	0.82	2.60	3.00	25.0	44.0	3.5
CSA1235-1R0M	1.00	3.30	3.50	24.0	40.0	3.5
CSA1235-1R5M	1.50	5.10	5.50	19.0	35.0	3.5
CSA1235-1R8M	1.80	6.50	7.00	16.5	30.0	3.5
CSA1235-2R2M	2.20	7.20	8.00	16.0	29.0	3.5
CSA1235-3R3M	3.30	11.00	12.00	12.0	27.0	3.5
CSA1235-4R7M	4.70	14.30	15.00	10.0	24.0	3.5
CSA1235-5R6M	5.60	18.30	19.00	9.5	19.0	3.5
CSA1235-6R8M	6.80	19.80	22.00	9.0	18.0	3.5
CSA1235-8R2M	8.20	24.80	28.00	8.5	16.0	3.5
CSA1235-100M	10.00	30.40	34.00	7.0	14.0	3.5

#### Notes:

- Special inquiries besides the above common used types can meet.
- Testing instrument: HP4286A or LCR Meter equivalent. Inductance testing condition: 200KHz/0.3V
- Heat rated current (I<sub>rms</sub>) will cause the coil temperature rise approximately ΔT=40°C without core loss.
- Saturation current (I<sub>sat</sub>) will cause L<sub>0</sub> to drop approximately 20%
- Operating Temperature Range -55°C to +125°C

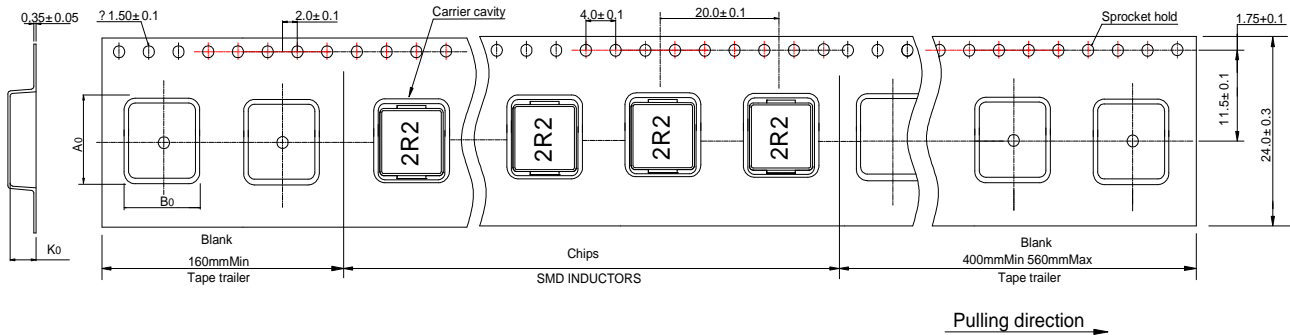


## 电流特性曲线图 Current Characteristic Curves



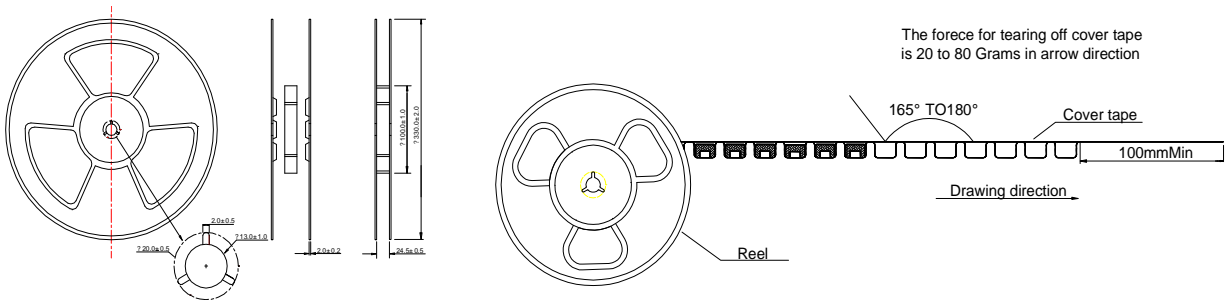
**包装 Packaging**

**包装载带尺寸 Tape packaging dimensions(unit:mm)**

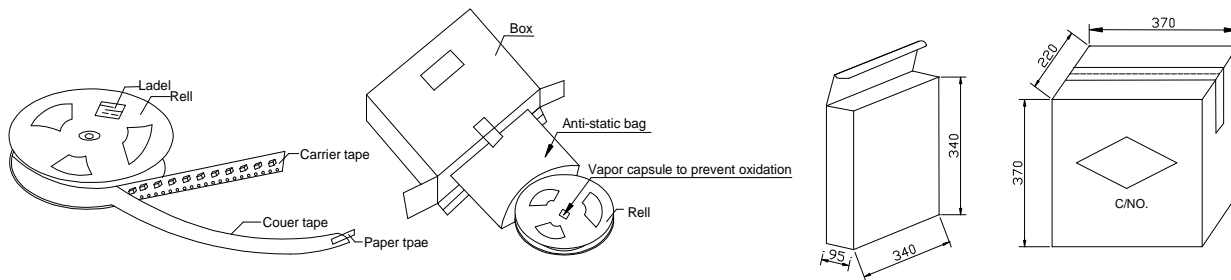


型号 Type	尺寸 Dimensions			带轮子Reel	Quantities/Reel
	A0(±0.1)	B0(±0.1)	K0(±0.15)		
CSA1235	13.4	14.1	4	330*24	500 PCS

**带轮尺寸 & 编带简图及拉伸方向 Dimensions of Reel & Taping figures and drawing**



**包装箱尺寸 & 包装数量 Box and case dimensions(unit:mm) & Packaging**

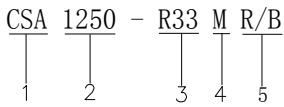


型号 Type	Quantities 数量	
	Inner carton 内箱	Outer carton 外箱
CSA1254	3/1500PCS	2/3000PCS

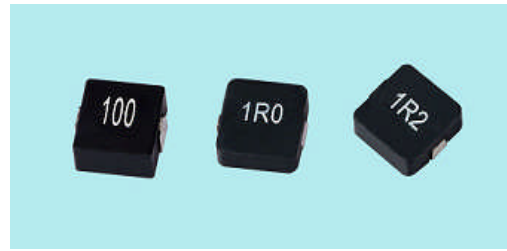


## CSA1250系列 CSA1250 Series

### 产品标示 Product Indication



- (1) 产品类型: CSA系列
- (2) 外观尺寸: 12表示宽12.6mm 50表示高5.0mm
- (3) 电气特性表示: R33表示0.33uH
- (4) 允许公差: M表示±20%
- (5) 包装方式: R表示载带盘装; B表示袋装

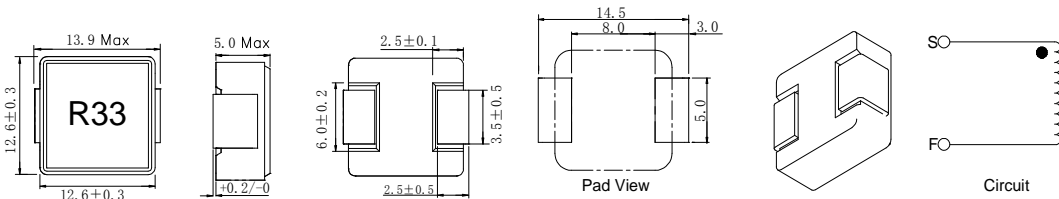


- (1) Product Type CSA series
- (2) External dimensions: 12 for width 12.6mm 50 for Height 5.0mm
- (3) Electrical code: R33 for 0.33uH
- (4) Tolerance: M for ±20%
- (5) Packing style: R for carrier tape reel; B for in bulk

### 特性 & 应用 Features & Applications

1. 一体成型、贴片式圆铜线绕制构造。
2. 低电阻、低损耗、小体积大电流设计。
3. 磁性屏蔽结构，工作频率范围高达1MHz以上。
4. 使用低损耗的合金系磁性粉末压铸成型，可避免噪音产生。
5. 在高频和高温环境下具有良好的直流电流特性。
6. 适于回流焊SMT工艺。
7. 无铅产品，符合环保指令。
8. 最适用于个人电脑和分配电源系统以及电压调节模块等的DC-DC升降压转换的应用。
9. 可按照客户工程需要，并根据Power最小损耗来选用不同的合金系磁性粉末进行设计和压铸生产。

### 外形尺寸(单位:mm) & 电气性能 Shape and Dimensions(Unit:mm) & Electrical Characteristics



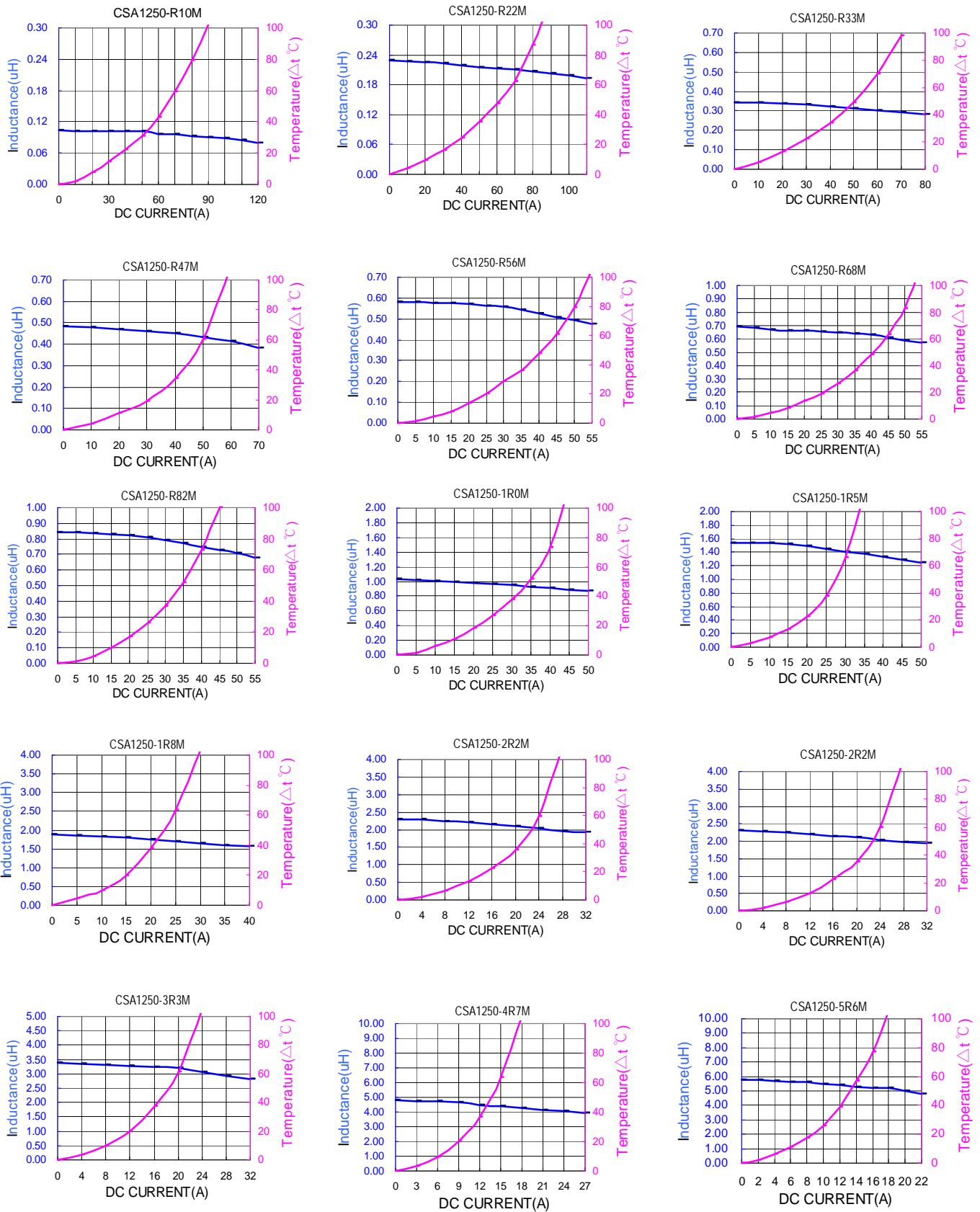
产品编号 Part No.	电感值 Inductance L (uH) ± 20%	直流电阻 (mΩ) DC Resistance		温升电流 Heat Rated Current (A) Max	饱和电流 Saturation current (A) Max	Thickness (mm) max
		Typical	Max			
CSA1250-R10M	0.10	0.53	0.60	55.0	118.0	5.0
CSA1250-R22M	0.22	0.64	0.80	51.0	110.0	5.0
CSA1250-R33M	0.33	0.85	1.10	42.0	80.0	5.0
CSA1250-R47M	0.47	1.10	1.30	38.0	65.0	5.0
CSA1250-R56M	0.56	1.30	1.50	36.0	55.0	5.0
CSA1250-R68M	0.68	1.50	1.70	34.0	54.0	5.0
CSA1250-R82M	0.82	2.00	2.30	31.0	53.0	5.0
CSA1250-1R0M	1.00	2.10	2.50	29.0	50.0	5.0
CSA1250-1R5M	1.50	3.40	4.10	23.0	48.0	5.0
CSA1250-1R8M	1.80	4.20	4.90	19.0	40.0	5.0
CSA1250-2R2M	2.20	4.60	5.50	20.0	32.0	5.0
CSA1250-3R3M	3.30	7.70	9.20	15.0	32.0	5.0
CSA1250-4R7M	4.70	12.80	15.00	12.0	27.0	5.0
CSA1250-5R6M	5.60	14.00	16.50	11.5	22.0	5.0
CSA1250-6R8M	6.80	15.40	18.50	11.0	21.0	5.0
CSA1250-7R8M	7.80	17.20	20.50	10.0	18.0	5.0
CSA1250-8R2M	8.20	18.90	22.50	9.5	18.0	5.0
CSA1250-100M	10.00	21.40	25.50	9.0	16.0	5.0

#### Notes:

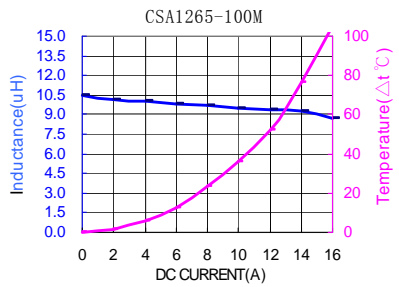
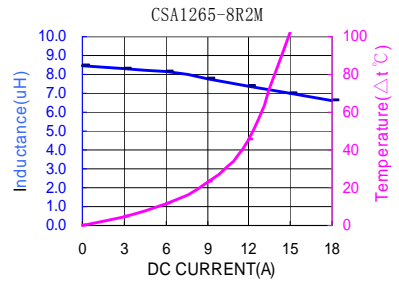
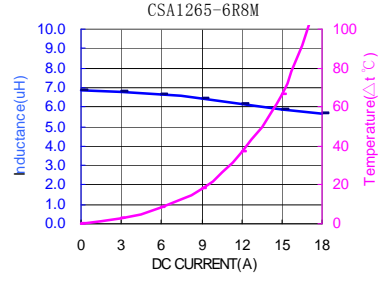
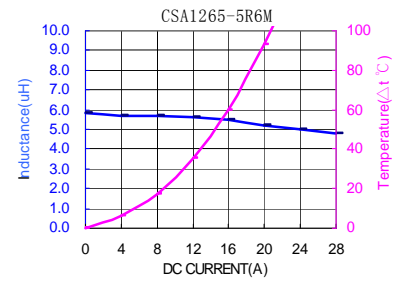
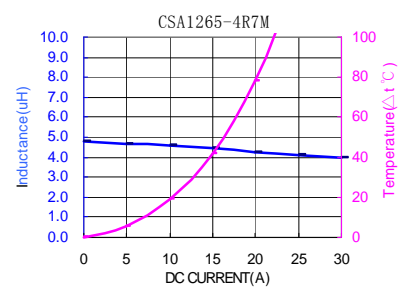
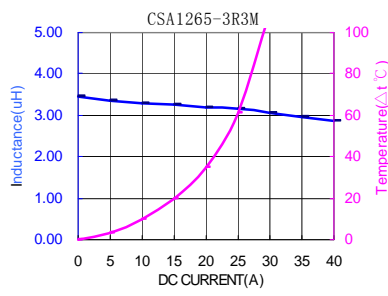
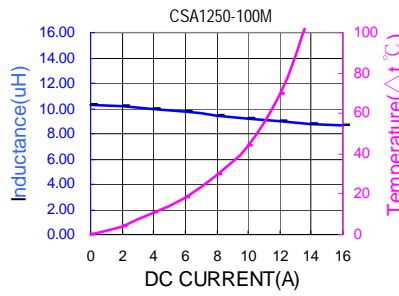
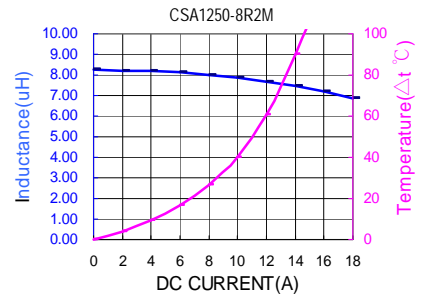
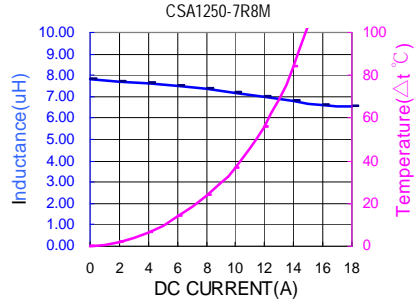
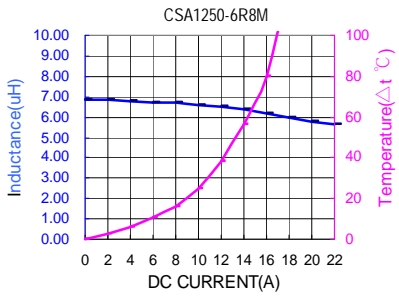
1. Special inquiries besides the above common used types can meet.
2. Testing instrument: HP4286A or LCR Meter equivalent. Inductance testing condition: 200KHz/0.3V
3. Heat rated current (I<sub>rms</sub>) will cause the coil temperature rise approximately ΔT=40°C without core loss.
4. Saturation current (I<sub>sat</sub>) will cause L<sub>0</sub> to drop approximately 20%
5. Operating Temperature Range -55°C to +125°C



### 电流特性曲线图 Current Characteristic Curves

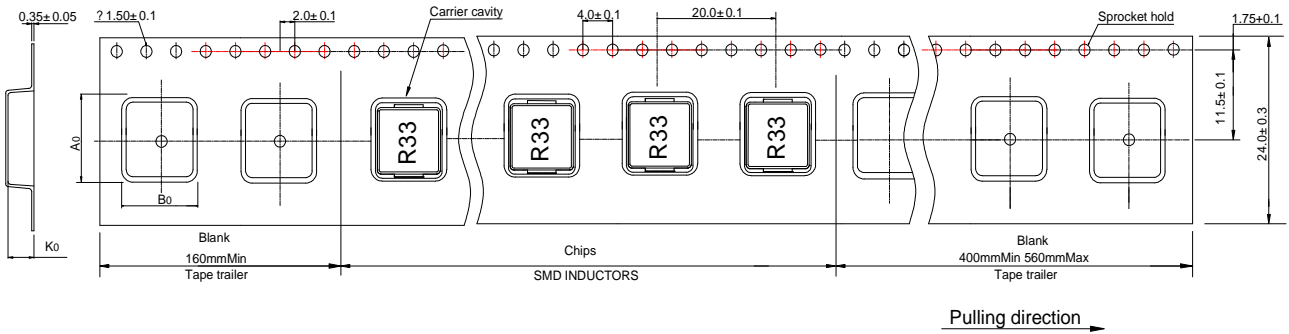


电流特性曲线图 Current Characteristic Curves



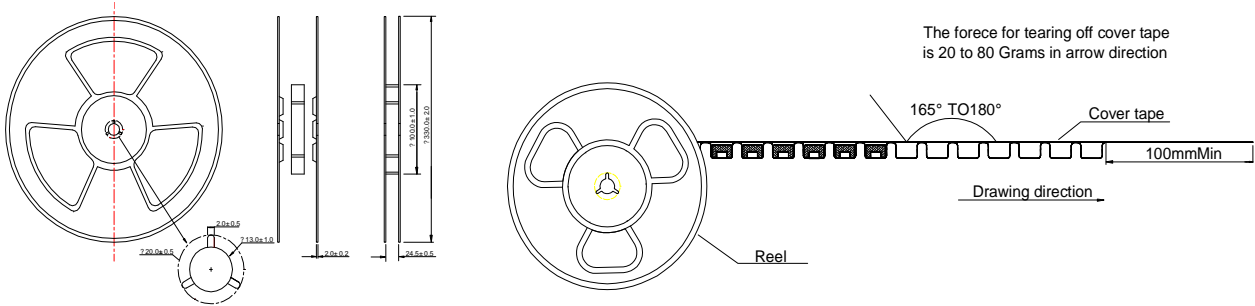
**包装 Packaging**

**包装载带尺寸 Tape packaging dimensions(unit:mm)**

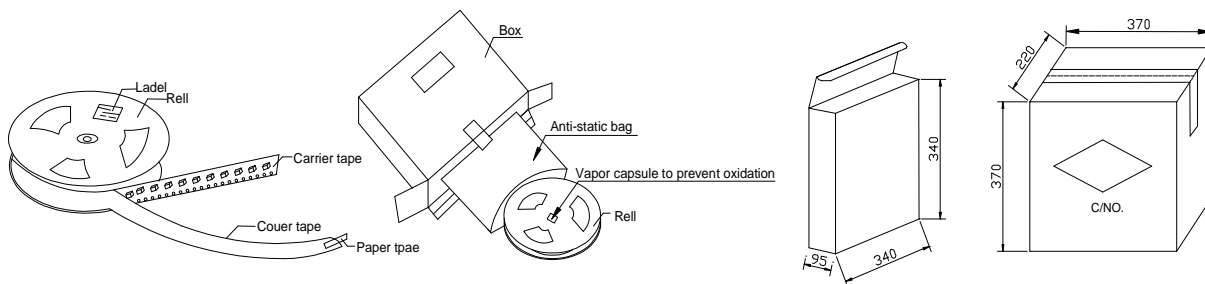


型号 Type	尺寸 Dimensions			带轮子Reel	Quantities/Reel
	A0(±0.1)	B0(±0.1)	K0(±0.15)		
CSA1250	13.4	14.1	5.5	330*24	500 PCS

**带轮尺寸 & 编带简图及拉伸方向 Dimensions of Reel & Taping figures and drawing**



**包装箱尺寸 & 包装数量 Box and case dimensions(unit:mm) & Packaging**

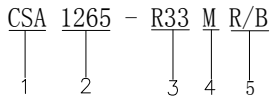


型号 Type	Quantities 数量	
	Inner carton 内箱	Outer carton 外箱
CSA1250	3/1500PCS	2/3000PCS



## CSA1265系列 CSA1265 Series

### 产品标示 Product Indication



- (1) 产品类型: CSA系列
- (2) 外观尺寸:12表示宽12.6mm 65表示高6.5mm
- (3) 电气特性表示:R33表示0.33uH
- (4) 允许公差:M表示±20%
- (5) 包装方式:R表示载带盘装;B表示袋装



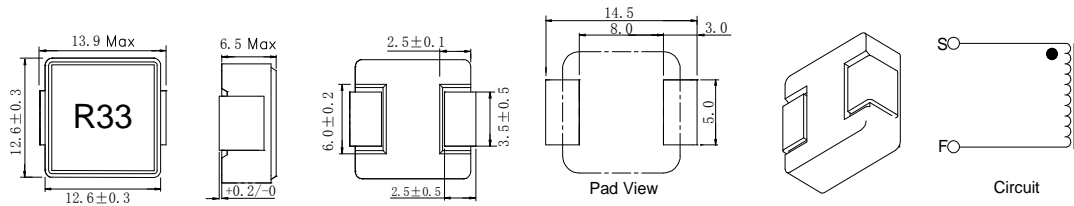
- (1) Product Type CSA series
- (2) External dimensions:12 for width 12.6mm 65 for Height 6.5mm
- (3) Electrical code:R33 for 0.33uH
- (4) Tolerance:M for ±20%
- (5) Packing style:R for carrier tape reel;B for in bulk

### 特性 & 应用 Features & Applications

1. 一体成型、贴片式圆铜线绕制构造。
2. 低电阻、低损耗、小体积大电流设计。
3. 磁性屏蔽结构，工作频率范围高达1MHz以上。
4. 使用低损耗的合金系磁性粉末压铸成型，可避免噪音产生。
5. 在高频和高温环境下具有良好的直流电流特性。
6. 适于回流焊SMT工艺。
7. 无铅产品，符合环保指令。
8. 最适用于个人电脑和分配电源系统以及电压调节模块等的DC-DC升降压转换的应用。
9. 可按照客户工程需要，并根据Power最小损耗来选用不同的合金系磁性粉末进行设计和压铸生产。

1. Composite forming, SMD type copper ribbon round wire structure.
2. Low DCR, lower loss, low profile package with large current design.
3. Magnetically shielded construction, High frequency range up to 1MHz.
4. The use low loss of magnetic iron powder core die-castine forming, avoid ultra low buzz noise.
5. Good DC current characteristics in high frequency and high temperature.
6. Suitable for SMT craft reflow soldering.
7. Lead free products, RoHS compliant.
8. Personal computers and distributed power systems or VRM applications for DC-DC converter ent.
9. Can choose different magnetic alloy power to design and produce by the way of die-casting in accordance with customer demands and the minimum loss of power.

### 外形尺寸(单位:mm) & 电气性能 Shape and Dimensions(Unit:mm) & Electrical Characteristics



产品编号 Part No.	电感值 Inductance L (uH) ±20%	直流电阻 (mΩ) DC Resistance		温升电流 Heat Rated Current (A) Max	饱和电流 Saturation current (A) Max	Thickness (mm) max
		Typical	Max			
CSA1265-R10M	0.10	0.47	0.50	60.0	120.0	6.5
CSA1265-R15M	0.15	0.53	0.60	55.0	118.0	6.5
CSA1265-R22M	0.22	0.63	0.70	53.0	112.0	6.5
CSA1265-R30M	0.30	0.70	0.80	48.0	72.0	6.5
CSA1265-R33M	0.33	0.83	0.90	46.0	65.0	6.5
CSA1265-R40M	0.40	0.90	1.00	44.0	64.0	6.5
CSA1265-R47M	0.47	1.00	1.20	41.0	63.0	6.5
CSA1265-R56M	0.56	1.20	1.40	37.0	62.0	6.5
CSA1265-R68M	0.68	1.40	1.60	35.0	60.0	6.5
CSA1265-R82M	0.82	1.60	1.90	33.0	50.0	6.5
CSA1265-1R0M	1.00	1.70	2.00	32.0	49.0	6.5
CSA1265-1R2M	1.20	2.10	2.50	30.0	48.0	6.5
CSA1265-1R5M	1.50	2.50	3.00	27.0	45.0	6.5
CSA1265-1R8M	1.80	2.80	3.20	24.0	41.0	6.5
CSA1265-2R2M	2.20	3.50	4.20	22.0	40.0	6.5
CSA1265-3R3M	3.30	5.70	6.80	18.0	35.0	6.5
CSA1265-4R7M	4.70	9.30	11.20	13.5	30.0	6.5
CSA1265-5R6M	5.60	9.30	10.00	13.5	26.5	6.5
CSA1265-6R8M	6.80	13.10	14.00	11.5	16.5	6.5
CSA1265-8R2M	8.20	14.50	15.50	10.5	16.0	6.5
CSA1265-100M	10.00	16.40	17.20	10.0	15.5	6.5

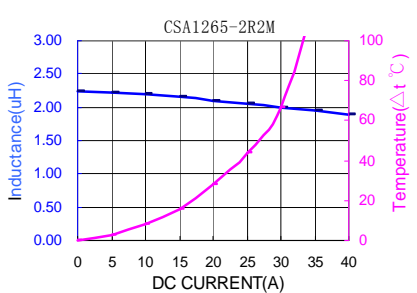
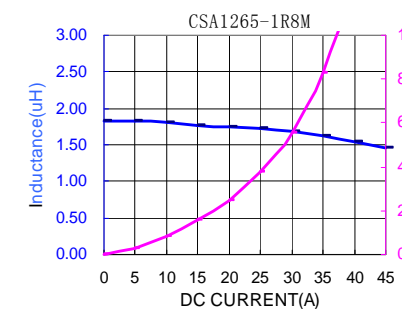
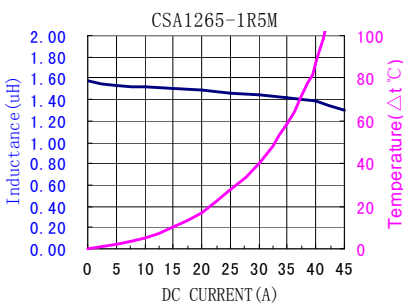
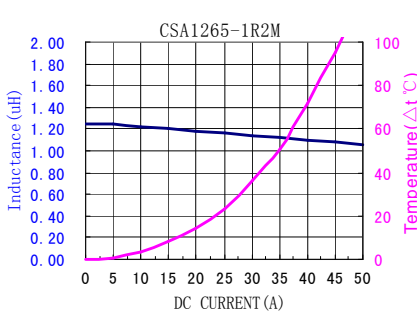
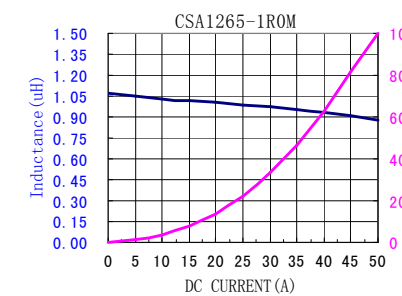
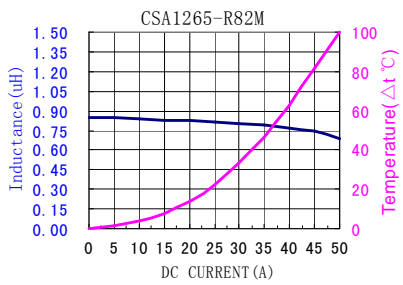
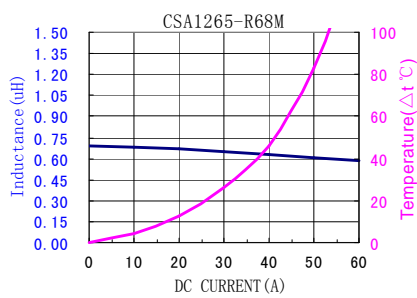
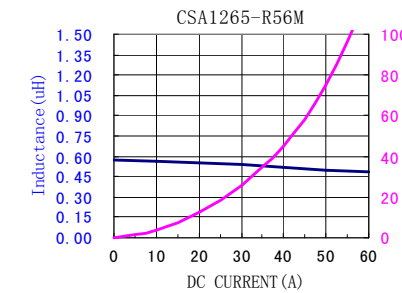
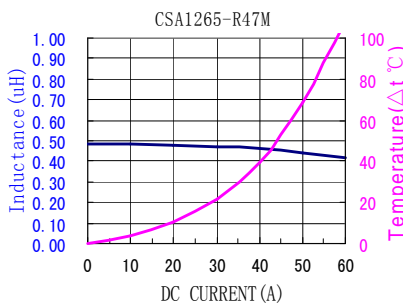
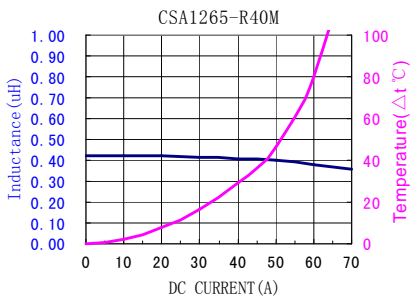
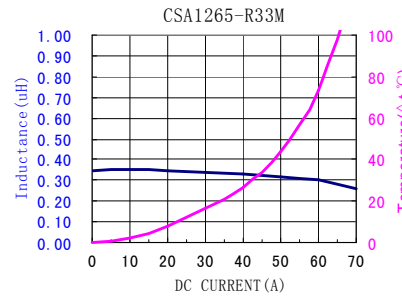
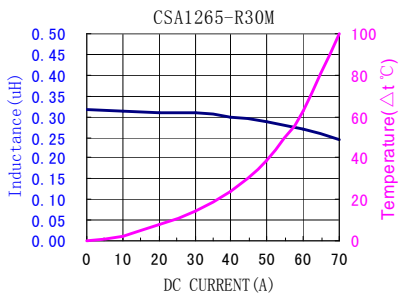
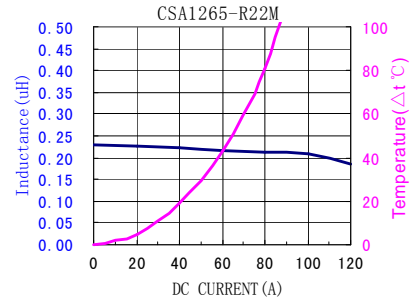
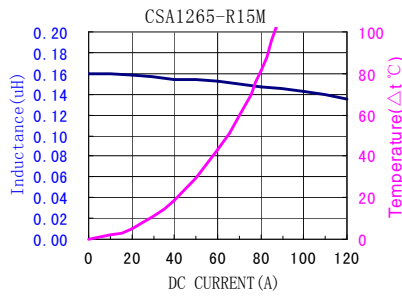
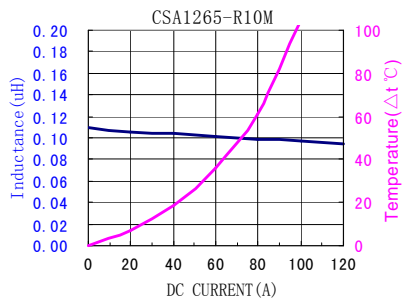
#### Notes:

1. Special inquiries besides the above common used types can meet.
2. Testing instrument: HP4286A or LCR Meter equivalent. Inductance testing condition: 200KHz/0.3V
3. Heat rated current(I<sub>rms</sub>) will cause the coil temperature rise approximately ΔT=40°C without core loss.
4. Saturation current(I<sub>sat</sub>) will cause L0 to drop approximately 20%
5. Operating Temperature Range -55°C to +125°C



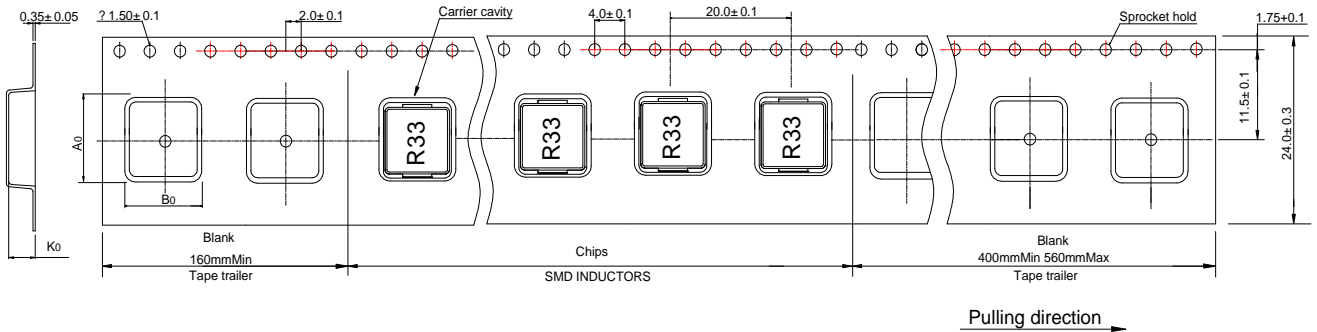


## 电流特性曲线图 Current Characteristic Curves



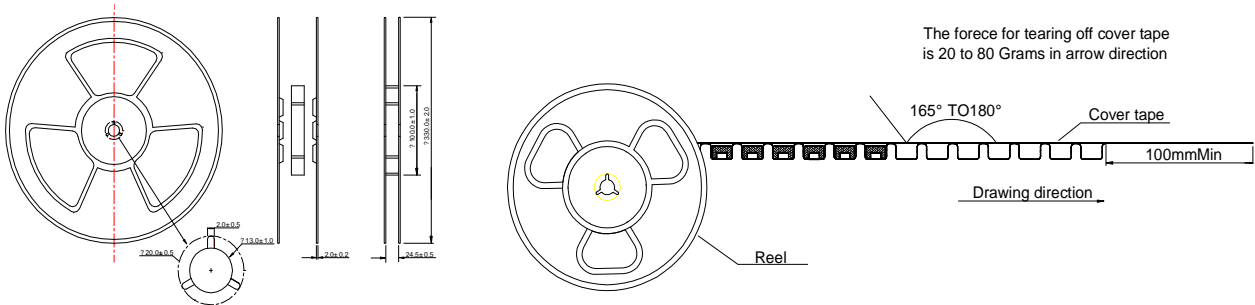
## 包装 Packaging

### 包装载带尺寸 Tape packaging dimensions(unit:mm)

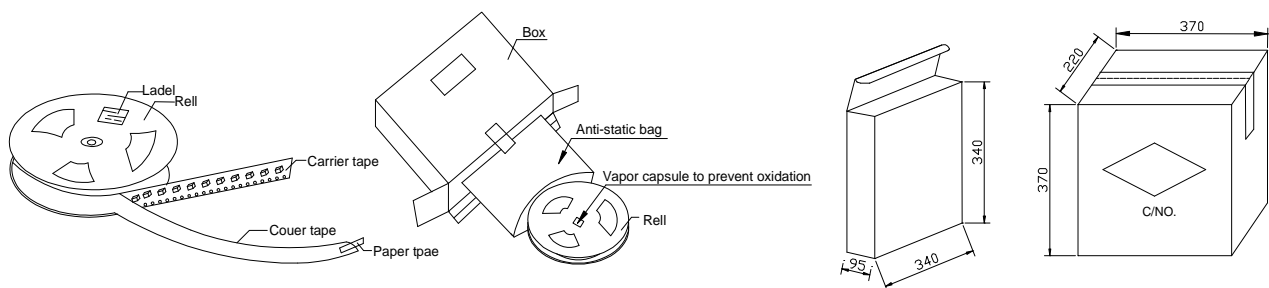


型号 Type	尺寸 Dimensions			带轮子 Reel	Quantities/Reel
	A0(±0.1)	B0(±0.1)	K0(±0.15)		
CSA1265	13.4	14.1	5.5	330*24	250 PCS

### 带轮尺寸 & 编带简图及拉伸方向 Dimensions of Reel & Taping figures and drawing



### 包装箱尺寸 & 包装数量 Box and case dimensions(unit:mm) & Packaging



型号 Type	Quantities 数量	
	Inner carton 内箱	Outer carton 外箱
CSA1265	3/750PCS	2/1500PCS

