

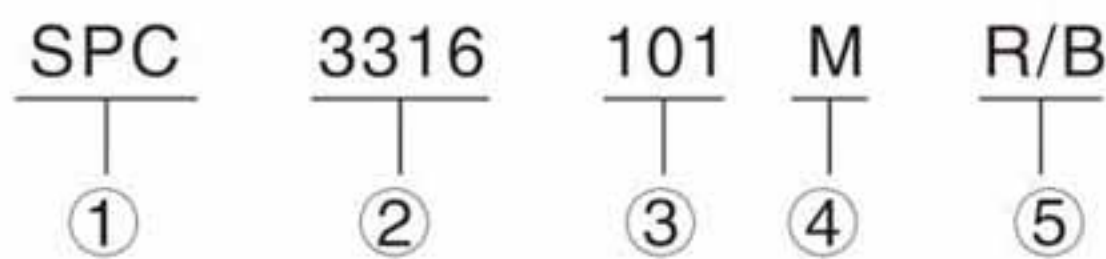
特性及应用

FEATURES/APPLICATIONS

- 使用载带包装运用于SMT。
  - 耐大电流，低直流电阻，椭圆形:4.5×6.6mm~15×18.5mm, 高度:2.9mm~7.5mm。
  - 磁性屏蔽结构。
  - 适用于回流焊SMT工艺。
  - 无铅产品，符合RoHS指令。
  - 广泛应用于升降压转换器，个人掌上记事本，便携式笔记本电脑及周边设备，便携式电源等。
- Carrier tape packing use for SMT.
  - High rated current & Low DCR ,Eliptic:4.5×6.6mm~15×18.5mm, Height: 2.9mm~7.5mm.
  - Magnetically shielded construction.
  - Suitable for reflow SMT craft soldering.
  - Lead free products, RoHS compliant.
  - Widely use in DC-DC converter/Desktop /PDA/ Notebook and PC Peripheral equipments /Portable Power etc.

产品标示

PRODUCT INDICATION



- ①产品类型: SPC型。

②外观尺寸: 椭圆形，33表示磁芯直径0.33英寸，16表示磁芯高度0.16英寸。

③电气特性表示: 101表示100  $\mu$  H。

④允许公差: K表示 $\pm 10\%$ ，M表示 $\pm 20\%$ 。

⑤包装方式: R表示载带盘装；B表示袋装。
- ① Product type: SPC type.

② External dimensions: Elliptic, 33 for Core Diameter 0.33 inch, 16 for Core Height 0.16 inch.

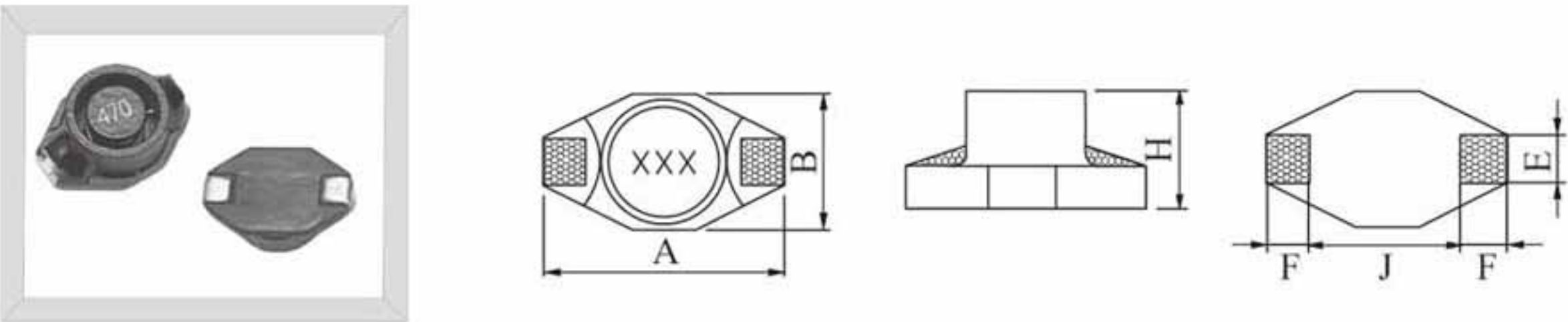
③ Electrical code: 101 for 100  $\mu$  H.

④ Tolerance: K for  $\pm 10\%$ , M for  $\pm 20\%$ .

⑤ Packing style: R for carrier tape reel; B for in bulk.

外形尺寸(单位:mm)

SHAPE AND DIMENSIONS(unit:mm)



型号TYPE	A (Max)	B (Max)	H (Max)	D	E	F	N	I	J
SPC1608	6.60	4.45	2.92	4.32	1.27	1.02	3.65	1.4	4.06
SPC3316	12.95	9.40	5.08	7.62	2.54	2.54	2.79	2.92	7.37
SPC5022	18.54	15.24	7.62	12.7	2.54	2.54	2.79	2.92	12.45

\* 产品说明书内的规格和参数仅供参考，可能不包含最新的产品信息，本产品规格若有更改，恕不事先通知。在您订购前，请向本公司索要相关技术资料。如您需要了解最新的产品信息，请登录本公司网站或来电咨询。

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电气性能

Electrical Characteristics SPC1608 Series

Part NO. 产品编号	Test Condition 测试条件	Inductance 电感(μH)	Tolerance 公差(%)	DC Resistance 直流电阻(Ω)Max	Rated Current 额定电流(A)Max
SPC1608-1R0M	100KHz/0.1V	1.0	±20	0.040	3.00
SPC1608-1R5M	100KHz/0.1V	1.5	±20	0.045	2.80
SPC1608-2R2M	100KHz/0.1V	2.2	±20	0.050	1.80
SPC1608-3R3M	100KHz/0.1V	3.3	±20	0.055	1.60
SPC1608-4R7M	100KHz/0.1V	4.7	±20	0.060	1.40
SPC1608-6R8M	100KHz/0.1V	6.8	±20	0.065	1.20
SPC1608-100M	100KHz/0.1V	10	±20	0.075	1.00
SPC1608-150M	100KHz/0.1V	15	±20	0.090	0.80
SPC1608-220M	100KHz/0.1V	22	±20	0.110	0.70
SPC1608-330M	100KHz/0.1V	33	±20	0.190	0.60
SPC1608-470M	100KHz/0.1V	47	±20	0.230	0.50
SPC1608-680M	100KHz/0.1V	68	±20	0.290	0.40
SPC1608-101M	100KHz/0.1V	100	±20	0.480	0.30
SPC1608-151M	100KHz/0.1V	150	±20	0.590	0.26
SPC1608-221M	100KHz/0.1V	220	±20	0.900	0.22
SPC1608-331M	100KHz/0.1V	330	±20	1.400	0.20
SPC1608-471M	100KHz/0.1V	470	±20	1.800	0.19
SPC1608-681M	100KHz/0.1V	680	±20	2.200	0.18
SPC1608-102M	100KHz/0.1V	1000	±20	3.400	0.15
SPC1608-152M	100KHz/0.1V	1500	±20	4.200	0.12
SPC1608-222M	100KHz/0.1V	2200	±20	8.500	0.10
SPC1608-332M	100KHz/0.1V	3300	±20	11.000	0.08
SPC1608-472M	100KHz/0.1V	4700	±20	13.900	0.06
SPC1608-682M	100KHz/0.1V	6800	±20	25.000	0.04
SPC1608-103M	100KHz/0.1V	10000	±20	32.800	0.02
※超出以上规格的特殊要求也可以满足。Special inquiries besides the above common used types can be meet.					

电气性能

Electrical Characteristics SPC3316 Series

Part NO. 产品编号	Test Condition 测试条件	Inductance 电感(μH)	Tolerance 公差(%)	DC Resistance 直流电阻(Ω)Max	Rated Current 额定电流(A)Max
SPC3316-1R0M	100KHz/0.1V	1.0	±20	0.021	5.60
SPC3316-1R5M	100KHz/0.1V	1.5	±20	0.022	5.20
SPC3316-2R2M	100KHz/0.1V	2.2	±20	0.032	5.00
SPC3316-3R3M	100KHz/0.1V	3.3	±20	0.039	3.90
SPC3316-4R7M	100KHz/0.1V	4.7	±20	0.054	3.20
SPC3316-6R8M	100KHz/0.1V	6.8	±20	0.075	2.80
SPC3316-100M	100KHz/0.1V	10.0	±20	0.101	2.40
SPC3316-150M	100KHz/0.1V	15.0	±20	0.150	2.00
SPC3316-220M	100KHz/0.1V	22.0	±20	0.207	1.60
SPC3316-330M	100KHz/0.1V	33.0	±20	0.334	1.40
SPC3316-470M	100KHz/0.1V	47.0	±20	0.472	1.00
※超出以上规格的特殊要求也可以满足。Special inquiries besides the above common used types can be meet.					



电气性能

Electrical Characteristics SPC5022 Series

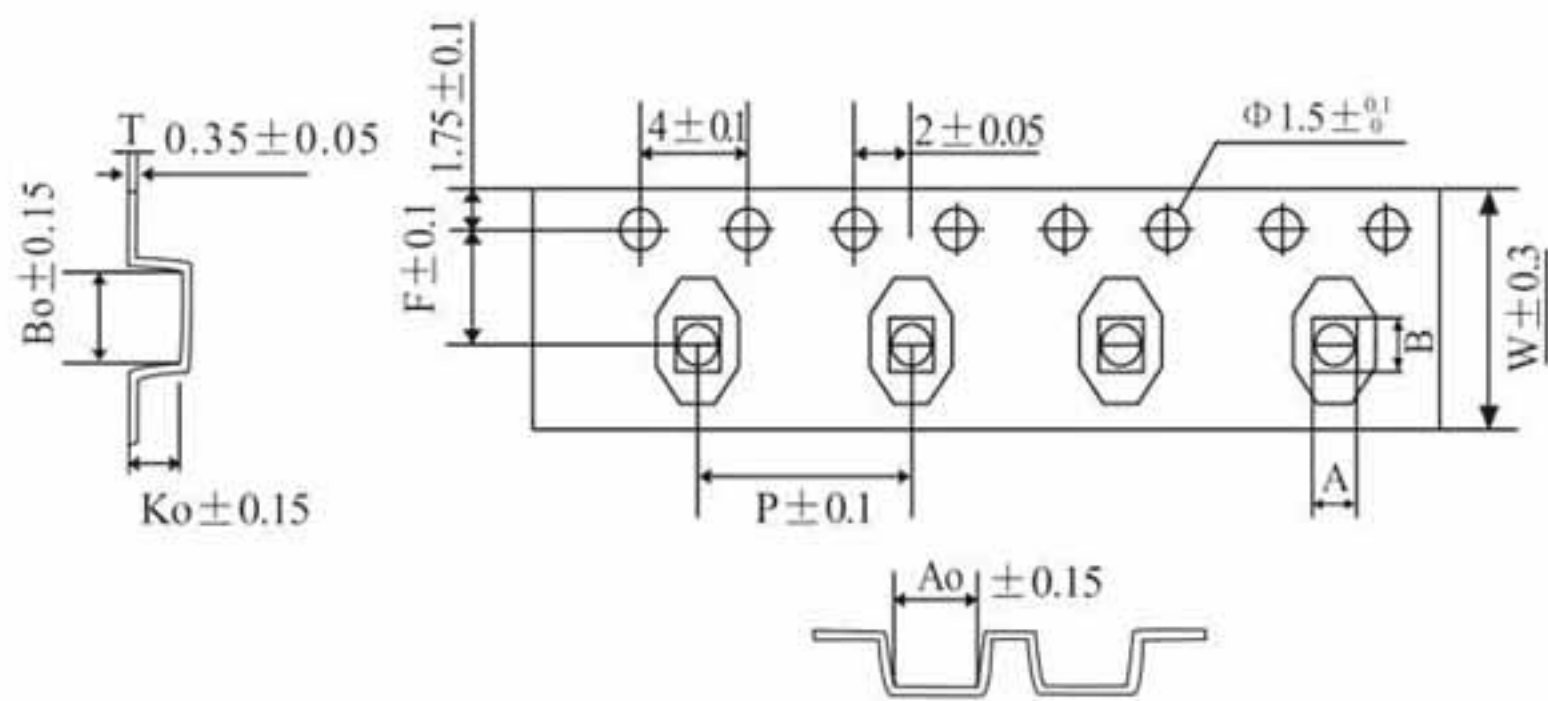
Part NO. 产品编号	Test Condition 测试条件	Inductance 电感(μH)	Tolerance 公差(%)	DC Resistance 直流电阻(Ω)Max	Rated Current 额定电流(A)Max
SPC5022-100M	100KHz/0.1V	10	±20	0.040	8.00
SPC5022-150M	100KHz/0.1V	15	±20	0.048	7.00
SPC5022-220M	100KHz/0.1V	22	±20	0.059	6.00
SPC5022-330M	100KHz/0.1V	33	±20	0.075	5.00
SPC5022-470M	100KHz/0.1V	47	±20	0.097	4.00
SPC5022-680M	100KHz/0.1V	68	±20	0.138	3.00
SPC5022-101M	100KHz/0.1V	100	±20	0.207	2.40
SPC5022-151M	100KHz/0.1V	150	±20	0.293	2.10
SPC5022-221M	100KHz/0.1V	220	±20	0.470	1.90
SPC5022-331M	100KHz/0.1V	330	±20	0.780	1.10
SPC5022-471M	100KHz/0.1V	470	±20	1.080	1.0
SPC5022-681M	100KHz/0.1V	680	±20	1.400	0.96
SPC5022-102M	100KHz/0.1V	1000	±20	2.010	0.80
※超出以上规格的特殊要求也可以满足。Special inquiries besides the above common used types can be meet.					

- 记事 Notes:
- 电感值测试仪：HP4286A/CH1062A或同等LCR Meter。  
Inductance instrument: HP4286A/CH1062A or LCR Meter equivalent.
  - 电感测试条件：100KHz/1KHz。  
Inductance testing condition: 100KHz/1KHz.
  - 电阻测试仪：TH2512B或同等的DCR测试设备。  
DCR instrument: TH2512B or DCR test equipment equivalent .
  - 额定电流测试：VR7210&VR113H。  
Rated Current test: VR7210&VR113H.
  - 额定电流定义：电感下降25%或温度上升40℃时取其最小值作为额定电流。  
Rated Current definition: Inductance drop by 25% or temperature rise by 40℃, the lesser of the minimum as the rated current.
  - 贮藏温度：-25℃~80℃；相对湿度：RH65%~85%。  
Temperature storage range: -25℃~80℃； the relative humidity: RH65%~85%.

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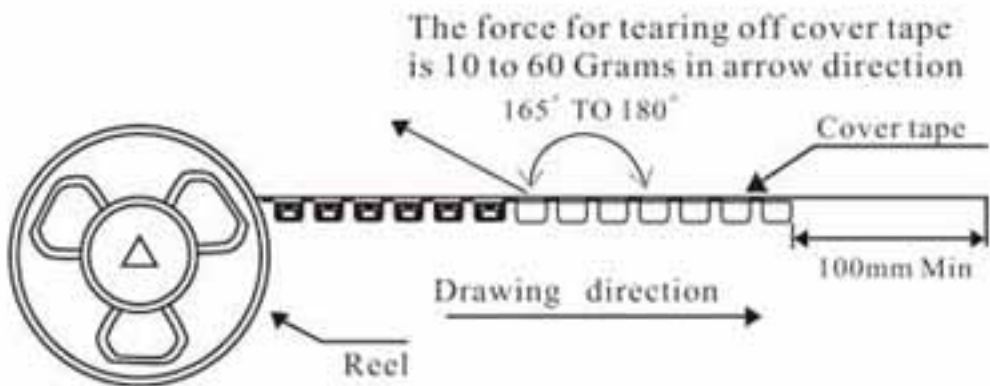
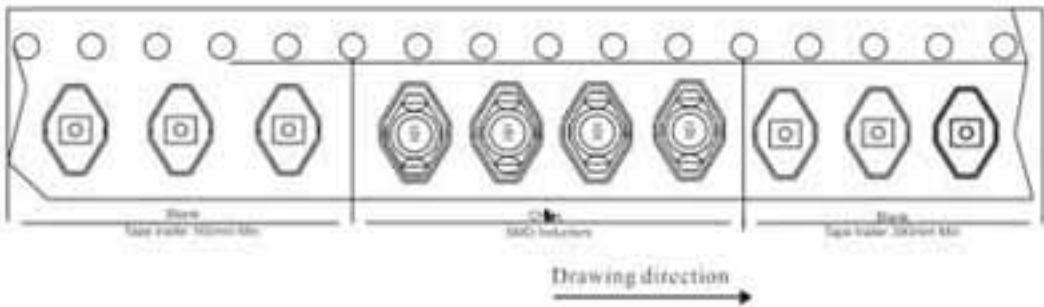
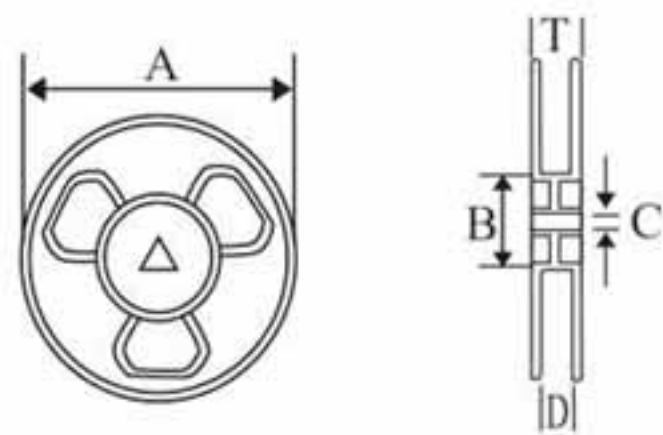
编带尺寸 Dimensions of tape(unit:mm)



型号Type	尺寸Dimensions						带轮Reel	Quantities(数量)
	Ao	Bo	W	P	F	Ko		PCS/reel(每卷)
SPC1608	2.30	3.65	16.00	8.00	7.50	3.20	330*16	2500
SPC3316	9.55	13.10	24.00	12.00	11.50	5.40	330*24	1000
SPC5022	15.40	18.80	32.00	20.00	14.20	7.50	330*32	400

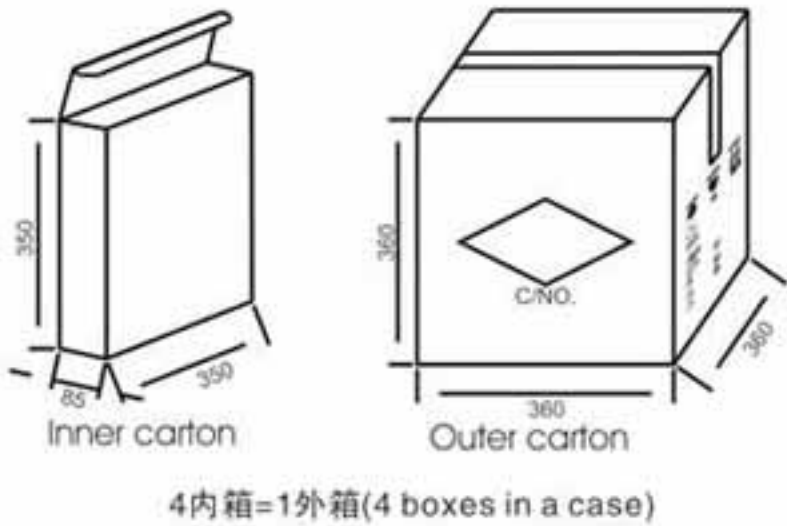
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带轮尺寸 Dimensions of Reel (unit: mm)      编带简图及拉伸方向 Taping figures and drawing direction



Type	A	B	C	D	T
16mm	330	100	13.5	16.4	20.4
24mm	330	100	13.5	24.4	28.4
32mm	330	100	13.5	32.4	36.4

包装箱盒尺寸 Box and case dimensions (unit: mm)      包装数量 Packaging quantities (unit: PCS)



型号Type	Quantities(数量)	Quantities(数量)
	Inner carton 内箱	Outer carton 外箱
SPC1608	4/10000	4/40K
SPC3316	2/2000	4/8K
SPC5022	2/800	4/3.2K