

特性及应用

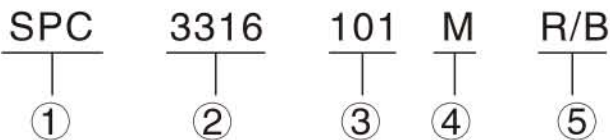
- 使用载带包装运用于SMT。
- 耐大电流，低直流电阻，椭圆形:4.5×6.6mm~15×18.5mm，高度:2.9mm~7.5mm。
- 磁性屏蔽结构。
- 适用于回流焊SMT工艺。
- 无铅产品，符合RoHS指令。
- 广泛应用于升降压转换器，个人掌上记事本，便携式笔记本电脑及周边设备，便携式电源等。

FEATURES/APPLICATIONS

- Carrier tape packing use for SMT.
- High rated current & Low DCR ,Elliptic: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 μH。

④ 允许公差: K表示±10%, M表示±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.

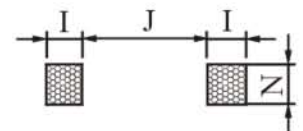
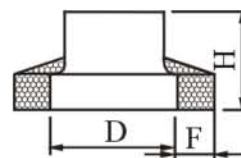
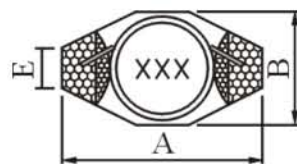
③ Electrical code: 101 for 100 μH.

④ Tolerance: K for ±10%, M for ±20%.

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

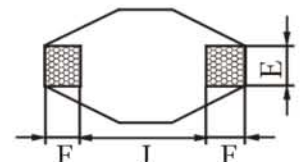
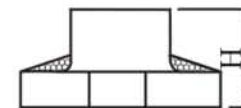
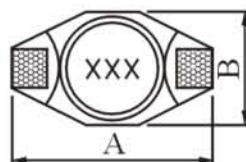
外形尺寸(单位:mm)

SHAPE AND DIMENSIONS(unit:mm)



陶瓷型
Ceramic

贴装尺寸
Land patterns



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

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

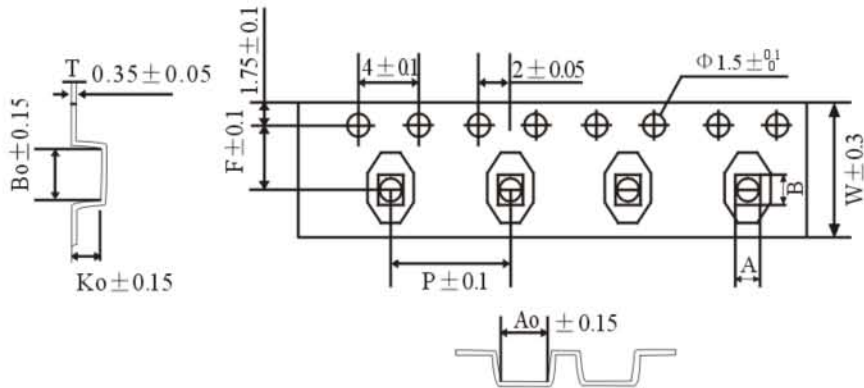
Part NO. 产品编号	Test Condition 测试条件	Inductance 电感(μH)	Tolerance 公差(%)	DC Resistance 直流电阻(Ω)Max	Rated Current 额定电流(A)Max
SPC5022-100M	100KHz/0.1V	10	±20	0.040	8.00
SPC5022-150M	100KHz/0.1V	15	±20	0.048	7.00
SPC5022-220M	100KHz/0.1V	22	±20	0.059	6.00
SPC5022-330M	100KHz/0.1V	33	±20	0.075	5.00
SPC5022-470M	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	1.10
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%.

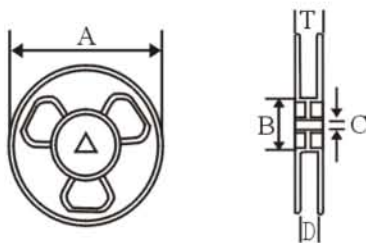
编带尺寸 Dimensions of tape(unit:mm)



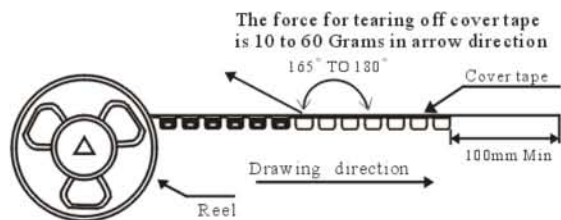
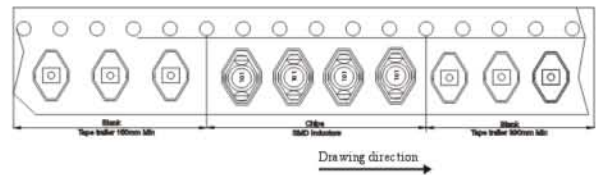
型号Type	尺寸Dimensions						带轮Reel	Quantities(数量)
	Ao	Bo	W	P	F	Ko		PCS/reel(每卷)
SPC1608	2.30	3.65	16.00	8.00	7.50	3.20	330*16	2500
SPC3316	9.55	13.10	24.00	12.00	11.50	5.40	330*24	1000
SPC5022	15.40	18.80	32.00	20.00	14.20	7.50	330*32	400

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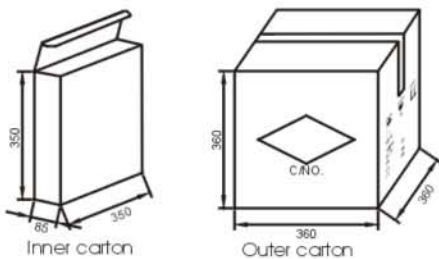
带轮尺寸 Dimensions of Reel (unit: mm) 编带简图及拉伸方向 Taping figures and drawing direction



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)



4内箱=1外箱(4 boxes in a case)

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