

### 特性及应用

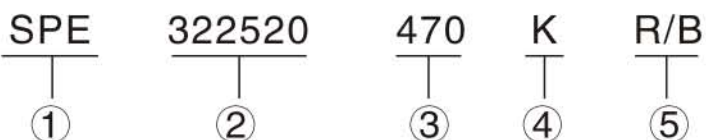
- 使用载带包装运用于SMT。
- 产品小型化, 方形; 宽度: 3.2mm~5.7mm, 高度: 1.8mm~4.7mm。
- 适用于回流焊SMT工艺。
- 无铅产品, 符合RoHS指令。
- 广泛应用于升降压转换器, 液晶显示器, 笔记本电脑, 掌上记事本, 网络通信, 数码产品等等。

### FEATURES/APPLICATIONS

- Carrier tape packing use for SMT.
- Small product, Quadrate, Width: 3.2mm~5.7mm, Height: 1.8mm~4.7mm.
- Suitable for reflow SMT craft soldering.
- Lead free products RoHS compliant.
- Widely use in DC-DC converter/LCD monitor/Notebook PDA/Network telecommunications /Digital products etc.

### 产品标示

### PRODUCT INDICATION

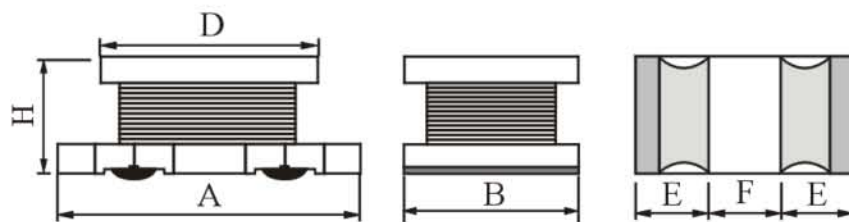
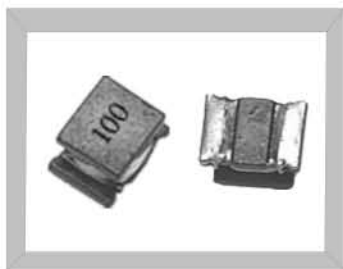


- ① 产品类型: SPE型。
- ② 外观尺寸: 方形, 32表示长3.2mm, 25表示宽2.5mm, 20表示高2.0mm。
- ③ 电气特性表示: 470表示47  $\mu$ H。
- ④ 允许公差: K表示  $\pm 10\%$ , M表示  $\pm 20\%$ 。
- ⑤ 包装方式: R表示载带盘装; B表示袋装。

- Product type: SPE type.
- External dimensions: 32 for Length 3.2mm, 25 for Width 2.5mm, 20 for Height 2.0mm.
- Electrical code: 470 for 47  $\mu$ H.
- Tolerance: K for  $\pm 10\%$ , M for  $\pm 20\%$ .
- Packing style: R for carrier tape reel; B for in bulk.

### 外形尺寸(单位:mm)

### SHAPE AND DIMENSIONS(unit:mm)



贴装尺寸Land patterns

型号TYPE	A ( $\pm 0.3$ )	B ( $\pm 0.2$ )	H ( $\pm 0.2$ )	D ( $\pm 0.2$ )	E ( $\pm 0.2$ )	F ( $\pm 0.2$ )
SPE321618	3.2	1.6	1.8	2.3	0.7	0.7
SPE322520	3.2	2.5	2.0	2.5	0.9	1.3
SPE453226	4.5	3.2	2.6	3.6	1.2	1.6
SPE575047	5.7	5.0	4.7	5.0	1.3	1.7

**电气性能 Electrical Characteristics SPE321618 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
SPE321618-1R0M	1KHz/0.25V	1.0	±20	0.490	0.175
SPE321618-1R5M	1KHz/0.25V	1.5	±20	0.520	0.155
SPE321618-1R8M	1KHz/0.25V	1.8	±20	0.530	0.150
SPE321618-2R2M	1KHz/0.25V	2.2	±20	0.540	0.140
SPE321618-2R7M	1KHz/0.25V	2.7	±20	0.550	0.135
SPE321618-3R3M	1KHz/0.25V	3.3	±20	0.610	0.130
SPE321618-4R7M	1KHz/0.25V	4.7	±20	1.700	0.120
SPE321618-5R6M	1KHz/0.25V	5.6	±20	1.800	0.115
SPE321618-6R8M	1KHz/0.25V	6.8	±20	2.000	0.110
SPE321618-8R2M	1KHz/0.25V	8.2	±20	2.200	0.105
SPE321618-100K	1KHz/0.25V	10.0	±10	2.500	0.100
SPE321618-150K	1KHz/0.25V	15.0	±10	2.900	0.090
SPE321618-180K	1KHz/0.25V	18.0	±10	3.000	0.085
SPE321618-220K	1KHz/0.25V	22.0	±10	3.100	0.085
SPE321618-270K	1KHz/0.25V	27.0	±10	3.400	0.085
SPE321618-330K	1KHz/0.25V	33.0	±10	3.600	0.080
SPE321618-390K	1KHz/0.25V	39.0	±10	4.500	0.075
SPE321618-470K	1KHz/0.25V	47.0	±10	6.300	0.075
SPE321618-560K	1KHz/0.25V	56.0	±10	7.100	0.055
SPE321618-680K	1KHz/0.25V	68.0	±10	7.900	0.050
SPE321618-820K	1KHz/0.25V	82.0	±10	8.700	0.045
SPE321618-101K	1KHz/0.25V	100.0	±10	11.570	0.045

※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 SPE322520 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
SPE322520-1R0M	1KHz/0.25V	1.0	±20	0.5	0.445
SPE322520-1R5M	1KHz/0.25V	1.5	±20	0.6	0.400
SPE322520-1R8M	1KHz/0.25V	1.8	±20	0.7	0.390
SPE322520-2R2M	1KHz/0.25V	2.2	±20	0.8	0.370
SPE322520-2R7M	1KHz/0.25V	2.7	±20	0.9	0.320
SPE322520-3R3M	1KHz/0.25V	3.3	±20	1.0	0.300
SPE322520-4R7M	1KHz/0.25V	4.7	±20	1.2	0.270
SPE322520-5R6M	1KHz/0.25V	5.6	±20	1.3	0.250
SPE322520-6R8M	1KHz/0.25V	6.8	±20	1.5	0.240
SPE322520-8R2M	1KHz/0.25V	8.2	±20	1.6	0.255
SPE322520-100K	1KHz/0.25V	10.0	±10	1.8	0.190
SPE322520-150K	1KHz/0.25V	15.0	±10	2.2	0.170
SPE322520-180K	1KHz/0.25V	18.0	±10	2.5	0.160
SPE322520-220K	1KHz/0.25V	22.0	±10	2.8	0.150
SPE322520-270K	1KHz/0.25V	27.0	±10	3.1	0.125
SPE322520-330K	1KHz/0.25V	33.0	±10	3.5	0.115
SPE322520-390K	1KHz/0.25V	39.0	±10	3.9	0.110
SPE322520-470K	1KHz/0.25V	47.0	±10	4.3	0.100
SPE322520-560K	1KHz/0.25V	56.0	±10	4.9	0.085
SPE322520-680K	1KHz/0.25V	68.0	±10	5.5	0.080
SPE322520-820K	1KHz/0.25V	82.0	±10	6.2	0.080
SPE322520-101K	1KHz/0.25V	100.0	±10	7.0	0.060
SPE322520-121K	1KHz/0.25V	120.0	±10	8.8	0.075
SPE322520-151K	1KHz/0.25V	150.0	±10	9.3	0.070

※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 SPE453226 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
SPE453226-1R0M	1KHz/0.25V	1.0	±20	0.20	0.50
SPE453226-2R2M	1KHz/0.25V	2.2	±20	0.30	0.50
SPE453226-3R3M	1KHz/0.25V	3.3	±20	0.35	0.50
SPE453226-4R7M	1KHz/0.25V	4.7	±20	0.40	0.50
SPE453226-6R8M	1KHz/0.25V	6.8	±20	0.50	0.45
SPE453226-8R2M	1KHz/0.25V	8.2	±20	0.56	0.45
SPE453226-100K	1KHz/0.25V	10.0	±10	0.56	0.40
SPE453226-150K	1KHz/0.25V	15.0	±10	0.73	0.36
SPE453226-180K	1KHz/0.25V	18.0	±10	0.82	0.34
SPE453226-220K	1KHz/0.25V	22.0	±10	0.94	0.32
SPE453226-270K	1KHz/0.25V	27.0	±10	1.10	0.30
SPE453226-330K	1KHz/0.25V	33.0	±10	1.20	0.27
SPE453226-470K	1KHz/0.25V	47.0	±10	1.50	0.22
SPE453226-560K	1KHz/0.25V	56.0	±10	1.70	0.20
SPE453226-680K	1KHz/0.25V	68.0	±10	1.90	0.18
SPE453226-820K	1KHz/0.25V	82.0	±10	2.20	0.17
SPE453226-101K	1KHz/0.25V	100.0	±10	2.50	0.16
SPE453226-121K	1KHz/0.25V	120.0	±10	3.00	0.15
SPE453226-151K	1KHz/0.25V	150.0	±10	3.70	0.13
SPE453226-181K	1KHz/0.25V	180.0	±10	4.50	0.12

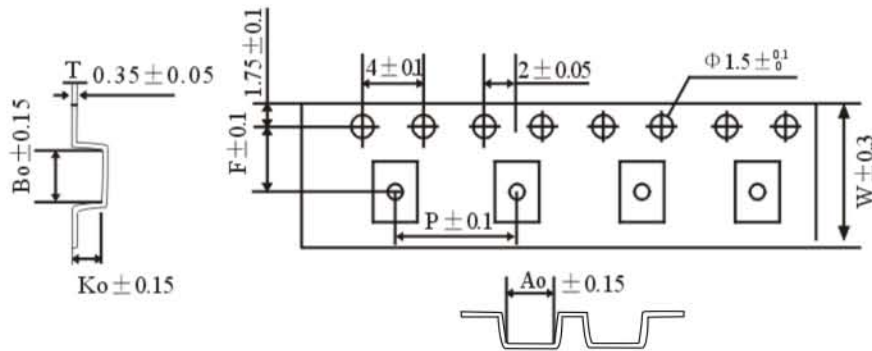
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**电气性能 Electrical Characteristics SPE575047 Series**

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
SPE575047-1R0M	1KHz/0.25V	1.0	±20	0.027	4.00
SPE575047-2R2M	1KHz/0.25V	2.2	±20	0.041	3.20
SPE575047-3R3M	1KHz/0.25V	3.3	±20	0.050	2.90
SPE575047-4R7M	1KHz/0.25V	4.7	±20	0.057	2.70
SPE575047-6R8M	1KHz/0.25V	6.8	±20	0.100	2.00
SPE575047-100K	1KHz/0.25V	10	±10	0.130	1.70
SPE575047-150K	1KHz/0.25V	15	±10	0.210	1.40
SPE575047-220K	1KHz/0.25V	22	±10	0.270	1.20
SPE575047-330K	1KHz/0.25V	33	±10	0.450	0.90
SPE575047-470K	1KHz/0.25V	47	±10	0.560	0.80
SPE575047-680K	1KHz/0.25V	68	±10	0.940	0.64
SPE575047-101K	1KHz/0.25V	100	±10	1.200	0.56
SPE575047-151K	1KHz/0.25V	150	±10	2.660	0.42
SPE575047-221K	1KHz/0.25V	220	±10	3.360	0.32
SPE575047-331K	1KHz/0.25V	330	±10	6.160	0.27
SPE575047-471K	1KHz/0.25V	470	±10	7.560	0.24
SPE575047-681K	1KHz/0.25V	680	±10	11.300	0.19
SPE575047-102K	1KHz/0.25V	1000	±10	14.400	0.15
SPE575047-152K	1KHz/0.25V	1500	±10	30.100	0.10
SPE575047-222K	1KHz/0.25V	2200	±10	45.000	0.09
SPE575047-332K	1KHz/0.25V	3300	±10	50.000	0.08
SPE575047-472K	1KHz/0.25V	4700	±10	61.000	0.07
SPE575047-682K	1KHz/0.25V	6800	±10	100.000	0.06
SPE575047-822K	1KHz/0.25V	8200	±10	125.000	0.05

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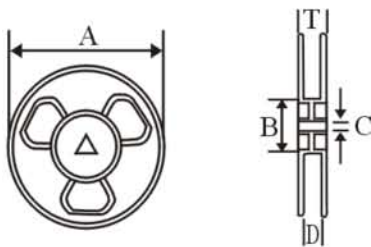
### 编带尺寸 Dimensions of tape (unit:mm)



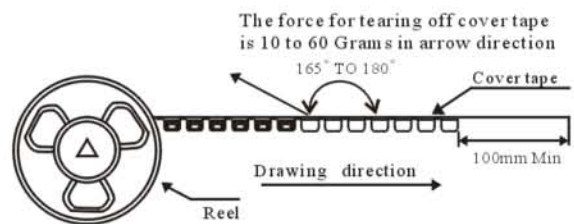
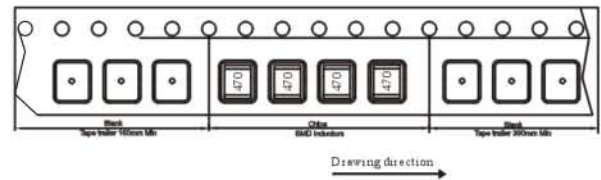
型号Type	尺寸Dimensions						带轮Reel	Quantities(数量)
	Ao	Bo	W	P	F	Ko		PCS/reel(每卷)
SPE321618	1.75	3.40	12.00	4.00	5.50	2.00	330*12	3000
SPE322520	2.65	3.40	12.00	4.00	5.50	2.20	330*12	3000
SPE453226	3.35	4.60	12.00	8.00	5.50	2.80	330*12	2000
SPE575047	5.15	6.10	16.00	8.00	7.50	5.00	330*16	1000

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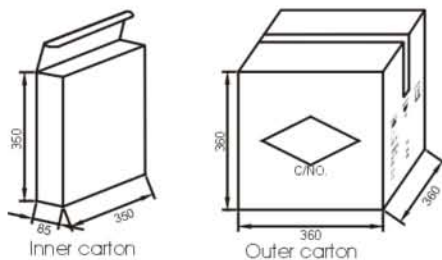
### 带轮尺寸 Dimensions of Reel (unit: mm) 编带简图及拉伸方向 Taping figures and drawing direction



Type	A	B	C	D	T
12mm	330	100	13.5	12.4	16.4
16mm	330	100	13.5	164	20.4



### 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
SPE321618	4/12000	4/48K
SPE322520	4/12000	4/48K
SPE453226	4/8000	4/32K
SPE575047	4/4000	4/16K