



SCM 4520电感目录

SCM 4520 Inductor directory

选型资料

SCM-4520

两进两出双绕分绕的设计方法，EMC杂讯抑制的覆盖频段更宽。



产品特点:

1. 从1.2A-2A不等的更大的额定电流耐受。
2. 对于共模阻抗从90Ω-1400Ω不等，发挥了更大的杂讯抑制效果。
3. 由于差模信号阻抗被抑制在较低水平，因此对于高速信号影响非常小。
4. 增加上盖的设计更有利于SMT吸件。
5. 保持了共模电感要求的特性，实现了大幅度的产品小型化、低背化的绕线型共模滤波器。

产品应用:

用于所有电子设备的电源线噪音。
笔记本电脑、文字处理机等大型电子设备的适配器线、电池线的噪音抵制。
移动充电器、医疗产品、LED显示器的电源噪音抑制。

产品规格型号表示方法:

SCM	4520	102	M
产品代号 product code	规格尺寸 dimensions	产品参数 - Product parameters	上盖 loam cake
系列名稱	產品尺寸	產品參數	上蓋



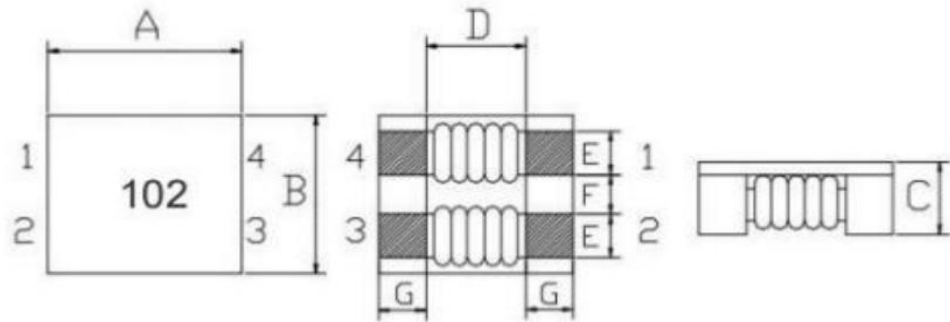
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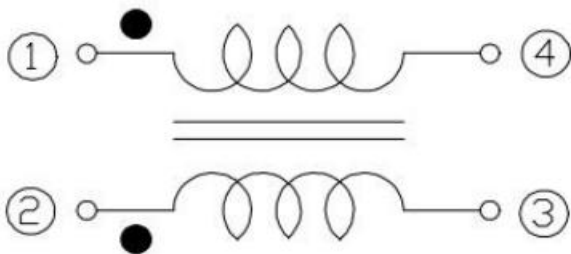
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形状与尺寸:



规格型号	产品尺寸						
	A	B	C	D	E	F	G
SCM-4520	4.7±0.5	4.5±0.5	2.0MAX	2.7TYP	0.75±0.2	1.25TYP	1.0TYP

电路图:





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电气特性:

规格型号	阻抗 (Ω) AT100MHZ		直流电阻 MAX(Ω)	额定电流 (MA) MAX	绝缘电阻 (M Ω) MIN	额定电压 (V) MAX
	MIN	TYP				
SCM-4520-301-M	100	300	0.045	3000	10	50
SCM-4520-401-M	200	400	0.05	2500	10	50
SCM-4520-701-M	500	700	0.059	2200	10	50
SCM-4520-901-M	700	900	0.068	2100	10	50
SCM-4520-102-M	800	1000	0.068	2100	10	50
SCM-4520-222-M	1000	1200	0.074	2000	10	50
SCM-4520-142-M	1200	1400	0.081	1900	10	50



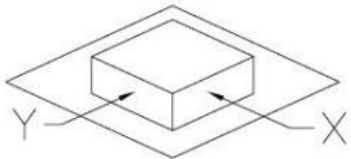
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可靠性测试:

Operating Temperature	' - 30 to + 100 °C (Contain Heating coil)
Appearance Inspection	No external defects by visual inspection
Terminal Strength 	After soldering , between copper plaet and terminalsof coils , push in two directions of X , Y withstanding 10N(1.02kg) for10+/-2 sec.Terminal should not peel off. (Refer to the left picture)
Heat endurance of reflow	Refer to figure
Insulating resistance	Over 100 MΩ at 100V D.C . between wire and core .
Dielectric Strength	Apply at 0.5KV 3mA for 1 minute between wire and core
Temperature characteristics	Inductance coefficient (0~2,000) × 10 / °C(- 30 ~ + 100 °C)
Humidity characteristics	Inductance deviation within ± 10% , after 96 hours in 90~95% relative humidity at 40 ± 2 °C and 1 hours drying under normal condition .
A test is made under the above mentioned condition , and it is kept for 2 hours in the normal	



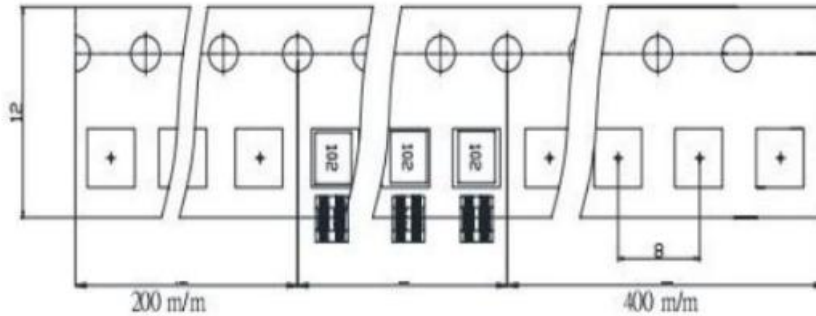
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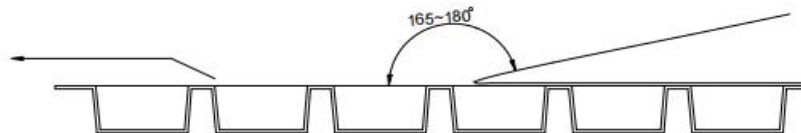
编带规格:



Transparent carrier and cover tape/透明载带和覆盖带

Adhesive strength of cover tape is 20 to 120 gf

The conduction band direction





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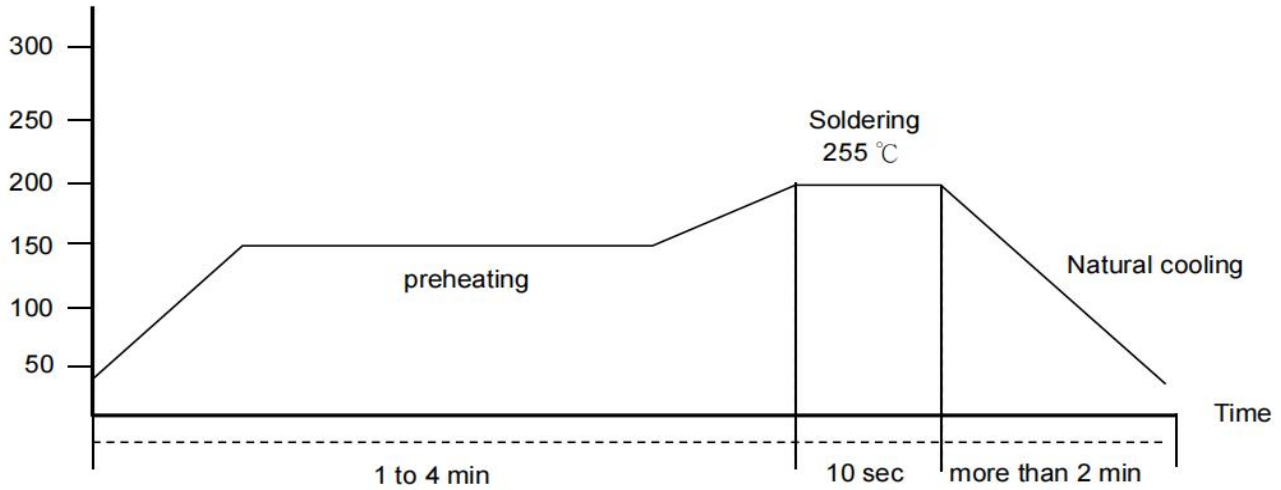
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回流焊:

Temperature °C



Temperature and humidity . After that , no mechanical and electrical defect should be found .