

SCM Series

Features

Small size SMD Design,
Wire wound constructure common mode choke
with best EMI suppression effect high impedance
but very high rated current and low DCR

Applications

Preventive measure against common mode noise
radiation emissions from power line or else
Best for high current circuit such as car,
wireless charging and power device design.

Product Identification

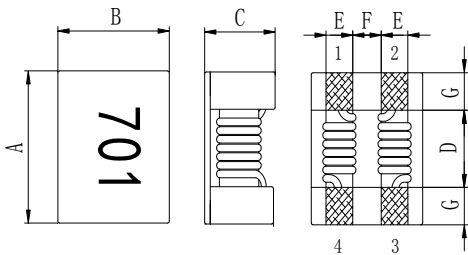
SCM XXXX TL - XXX
For example:SCM4520TL-701

General Specifications

Test Frequency.....100MHz
Parameters Test Temp..... 25℃
Operation Temp.....-40℃ to +125℃
(Including temperature Rise)
Storage Temp.....0~40℃
Storage Humidity.....<70% RH
Resistance to Soldering Heat.....260℃ for 10 sec
Temperature Rise.....40℃ Typ. at Rated Current

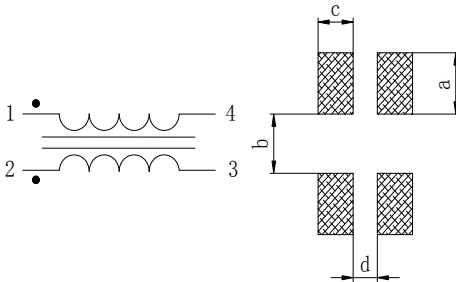
Shape And Dimensions

Dimensions In mm



TYPE	A	B	C	D	E	F	G	a	b	c	d
	±0.5	±0.5	Max	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref
4520	4.70	4.50	2.00	2.70	0.75	1.25	1.00	1.75	2.00	1.75	0.90

Electrical Schematic & PAD Layout



Standard Specifications

Stamp	Impedance (Ω)	Test Frequency (MHz)	DCR (mΩ)Max	Rated Current (A)Max	Rated Voltage (V)MAX	Insulation Resistance (MΩ)Min
SCM4520TL-900	30Min / 90Typ	100	35	3.2	50	10
SCM4520TL-151	80 Min / 150Typ	100	38	3.1	50	10
SCM4520TL-231	180Min / 230Typ	100	39	3.0	50	10
SCM4520TL-301	180Min / 300Typ	100	39	3.0	50	10
SCM4520TL-401	200 Min / 400Typ	100	50	2.5	50	10
SCM4520TL-501	300Min / 500Typ	100	55	2.4	50	10
SCM4520TL-701	500Min / 700Typ	100	59	2.2	50	10
SCM4520TL-901	700 Min / 900Typ	100	68	2.1	50	10
SCM4520TL-102	800Min / 1000Typ	100	68	2.1	50	10
SCM4520TL-122	1000Min / 1200Typ	100	74	2.0	50	10
SCM4520TL-142	1200 Min / 1400Typ	100	81	1.9	50	10

*All the data listed in this catalogue are for reference only, JENG SHI reserves the right to alter or revise the specifications without prior notification.

*Beyond the above specification also can meet the special requirements. Need detailed content Please to the website query or contact us.