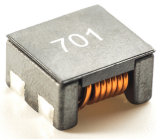


## SCM Series



### 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

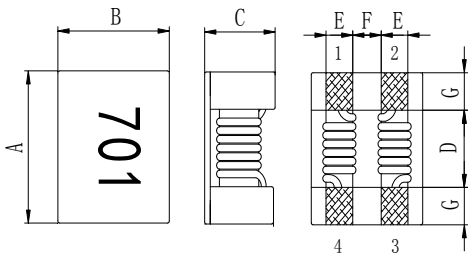
SCM XXXX TL - XXX  
For example:SCM4520TL-701

### 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

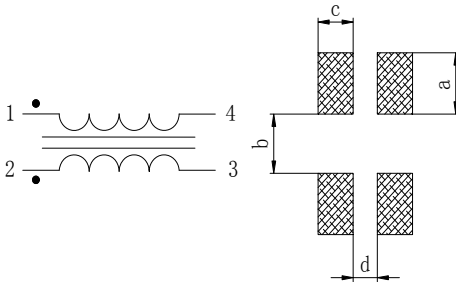
## Shape And Dimensions

### 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.