

TSCM4532B Series (Rev. 1.0)



Features

- * RoHS compliant
- * Miniature SMD type common mode filter for fully automated assembly
- * Wide impedance range (30 ~ 2200Ω) for noise suppression
- * Excellent solderability

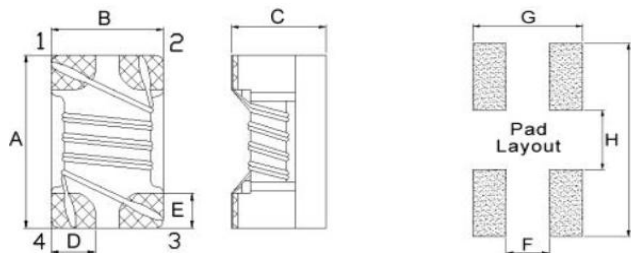
Product Identification

TSCM
1
4532B
2
-
110
3

1. Product Code
2. Size Code
3. Inductance: 11uH

JIS Code	EIA Code
4532	1812

Dimension & Recommended PAD Layout: [mm]



Size Code	A(±0.2)	B(±0.2)	C(±0.2)	D(typ.)	E(typ.)	F(typ.)	G(typ.)	H(typ.)	I(typ.)
4532B	4.5	3.2	2.8	1.2	1.0	0.7	3.8	2.5	4.8

Electrical Characteristics

P/N	Impedance @10MHz (Ω) min.	Impedance @10MHz (Ω) typ.	Inductance @100KHz/0.1V (uH)	DCR (Ω) max.	IDC (mA) max.	Rated Voltage (VDC)	IR (MΩ) min.
TSCM4532B-110	300	600	11+50%/-30%	0.6	250	50	10
TSCM4532B-220	500	1200	22+50%/-30%	1.0	200	50	10
TSCM4532B-510	1000	2800	51+50%/-30%	1.0	200	50	10
TSCM4532B-101	2000	5800	100+50%/-30%	2.0	150	50	10
TSCM4532B-201	5000	9800	200+50%/-30%	4.5	100	50	10

* IDC : Temp. rise 40°C typ.

A full series of common mode choke is designed for excellent noise attenuation with compact sizing for use in wide range of applications.
Both standard series and custom designs are available.

Applications

- * USB line for personal computers and periphera
- * IEEE 1394 line for personal computers, DVC, STB
- * LVDS, panel line for liquid display panels, etc.

Operating & Storage Condition

- * Operating Temp : -40 to +125°C
- * Storage Temp : -20 to +40°C
- * Storage Life Time: 12 Months @25°C , RH 65%

Test Equipment

- * HP4291A-Z, HP4284A, HP42841A- L, IDC, Q, RDC
- * HP8753D Network Analyzer- SRF

Standard Atmospheric Conditions

- * Ambient Temp : 20±15°C
- * Relative Humidity : 65±20%

