

TLCMI4532-L Series

Wire Wound Chip Common Mode Choke Coil

TOP-EMC

Features

- Winding type realizes small size and low profile
- Prevention of common mode noise at high frequency
- 2800Ω ~ 5800Ω are optional for different noise level and signal frequency
- Excellent soldering heat resistance
- AEC-Q200 qualified

Applications

- CAN-BUS
- Fax and ISDN
- Modem

Product Identification

TLCMI 4532 -2 -510 T F L
① ② ③ ④ ⑤ ⑥ ⑦

- ① Type : TLCMI
- ② External Dimensions (L×W) (mm) : 4.5 x 3.2
- ③ Number of Lines : 2
- ④ Inductance : 510 = 51uH
- ⑤ Packing : Tape & Reel
- ⑥ Hazardous Substance Free Products : F
- ⑦ L = Internal code

Electrical Characteristics

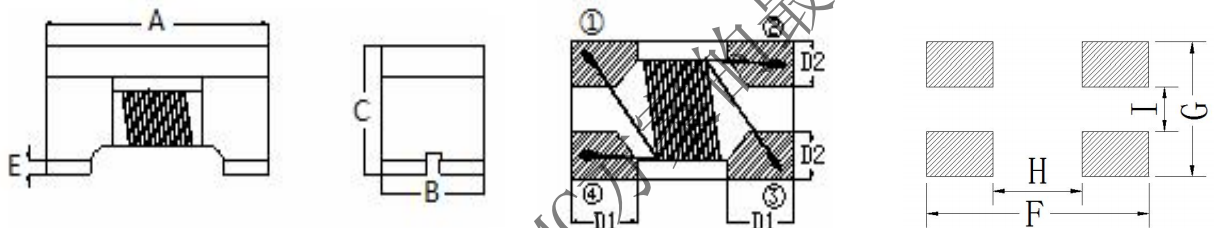
Part Number	Inductance [100kHz/0.1V] +50%/-30%	Max. DC Resistance	Max. Irms	Rated Voltage	Min. Insulation Resistance
Units	uH	Ω	mA	Volts	M Ω
Symbol	L	DCR	I _r	V _{DC}	IR
TLCMI4532-2-510TFL	51	1.0	230	50	10
TLCMI4532-2-101TFL	100	2.0	200	50	10

(1). Rated Current: Temp. rise 40°C Typ

(2). Operating Temperature: - 40°C up to + 125°C

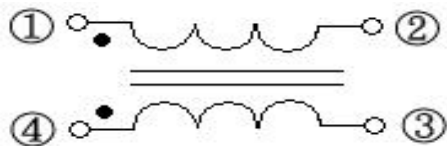
(3). Storage Temperature: -10°C up to +40 °C, 65% RH max

Shape And Dimensions(mm)



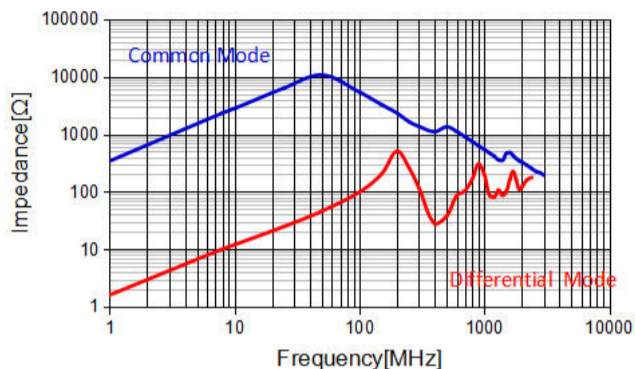
Series	A	B	C	D1	D2	E	F	G	I	H
4532	4.5±0.2	3.2±0.2	2.8±0.2	1.0Typ.	1.2Typ.	0.2Typ.	4.8Typ.	3.8Typ.	0.7Typ.	2.4Typ.

Equivalent Circuit

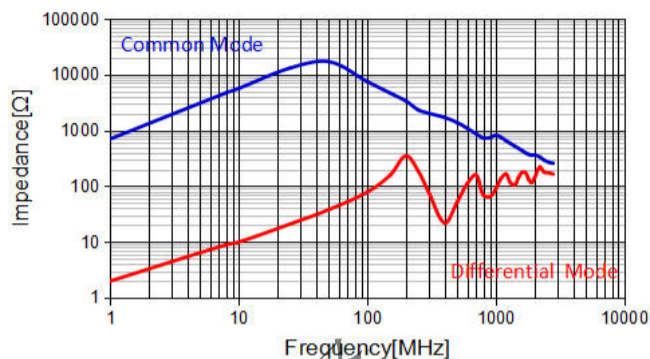


Typical Electrical Characteristics

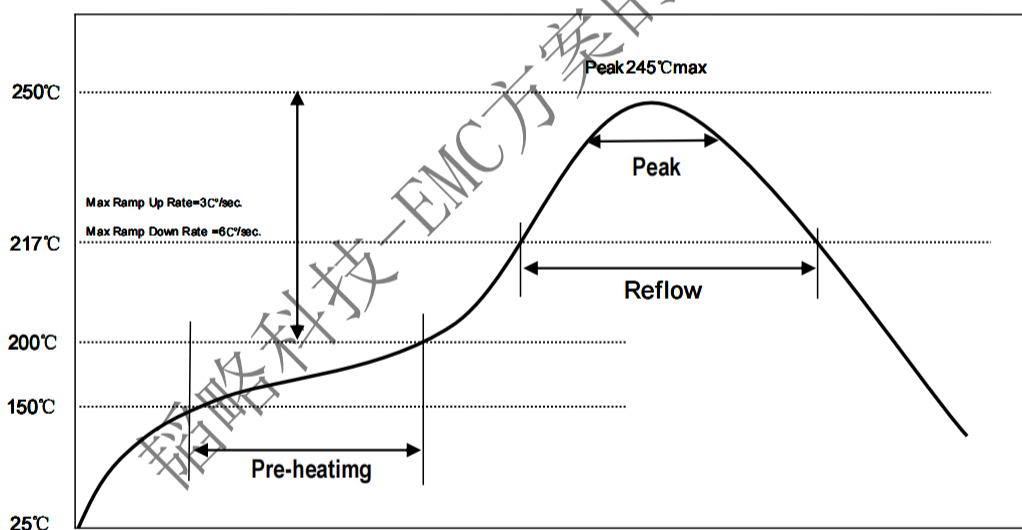
TLCMI4532-2-510TFL



TLCMI4532-2-101TFL



Recommended Soldering Technologies



Item.	Ramp - up	Preheating	Reflow	Peak Temp	Cooling
Temp.scope	R.T.~150°C	150°C~200°C	217°C	245±5°C	Peak Temp.~150°C
Time spec	—	60~180 sec	60~150sec	20~40sec	—
Time result	—	70~95 sec	70~95sec	20~35sec	—

CONTACT INFORMATION

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