

TLDCM1513-2-301TF

DC COMMON MODE FILTER

TOP-EMC

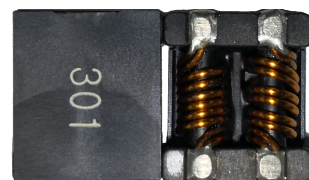
GENERALS

This specification covers the engineering requirements for the (DC Common Mode Filter)

TLDCM1513-2-301TF

FEATURES

- A chip-type common mode filter for large current applications. Common mode impedance surpasses 300 Ω at 100MHz. Noise is greatly suppressed.
- Capable of handling the highest current (up to 15.0A) of any chip-type common mode filter.
- Height and size have been considered, resulting in a compact and light-weight choke coil. Applicable for the miniaturization required to reduce the size and weight of portable equipment.
- The products contain no lead and also support lead-free soldering.
- This product does not contain regulated substances that are slated to be included in RoHS.



APPLICATIONS

Used for power line noise suppression for any electronic devices
Used to counter adapter/battery line noise for relatively large electronic devices such as notebook PCs, stand-alone word processors, etc

TEMPERATURE RANGES

Operating	-40 to +125°C
Storage(After mount)	-40 to +125°C

Part Number System

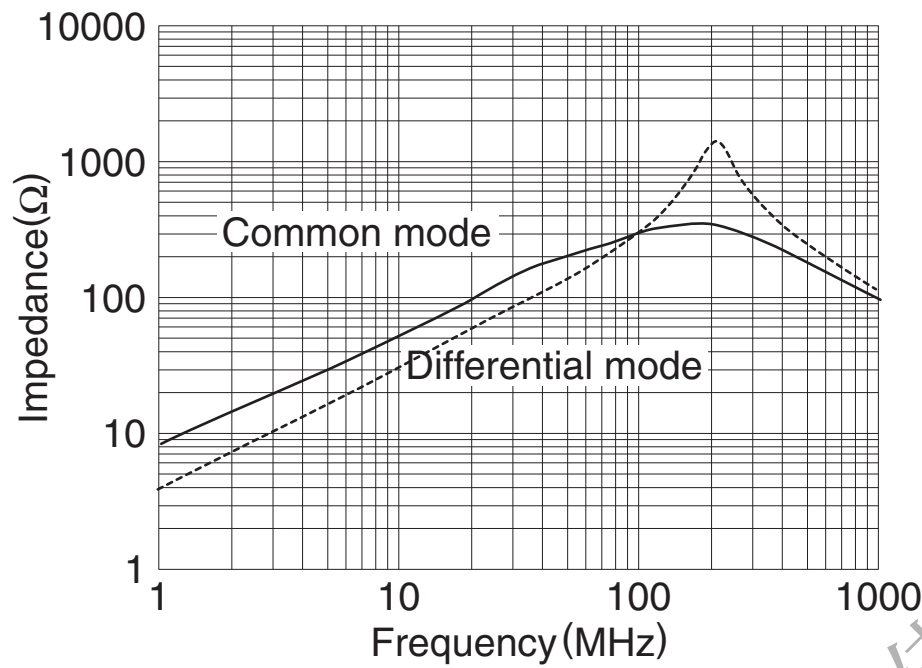
TLDCM 1513 -2 -301 T F
① ② ③ ④ ⑤ ⑥

- ① Type:TLDCM
- ② External Dimensions (L×W) (mm) :15.0×13.0mm
- ③ Number of Lines: 2
- ④ Impedance : 301=300 Ω
- ⑤ Packing :Tape & Reel
- ⑥ Hazardous Substance Free Products : F

ELECTRICAL CHARACTERISTICS

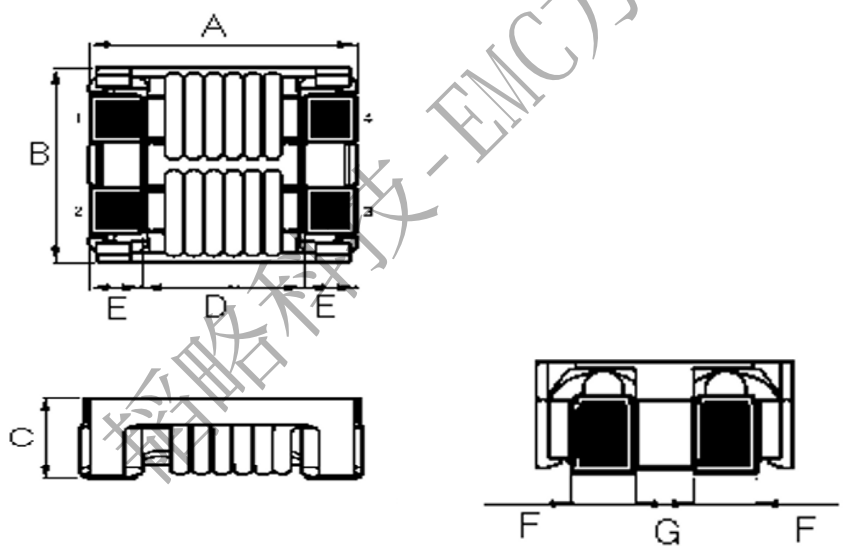
Part No.	Impedance (Ω)[at 100MHz]	DC resistance (m Ω)max.	Rated current Idc(A)max.	Rated Voltage (v)max.	Insulation resistance (M Ω)min.
TLDCM1513-2-301TF	300 (typ)	3.0	15.0	80	10

TYPICAL ELECTRICAL CHARACTERISTICS
IMPEDANCE vs. FREQUENCY CHARACTERISTICS



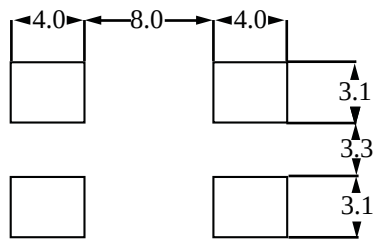
SHAPES AND DIMENSIONS/CIRCUIT DIAGRAM/RECOMMENDED
PC BOARD PATTERN(REFLOW SOLDERING)

◆ Dimensions (mm)

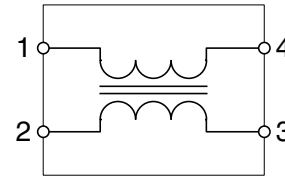


Product Type	A	B	C	D	E	F	G
TLDCM1513-2-301TF	15.0±0.5	13.0±0.5	6.8max	9.0typ	3.0typ	2.7typ	3.3typ

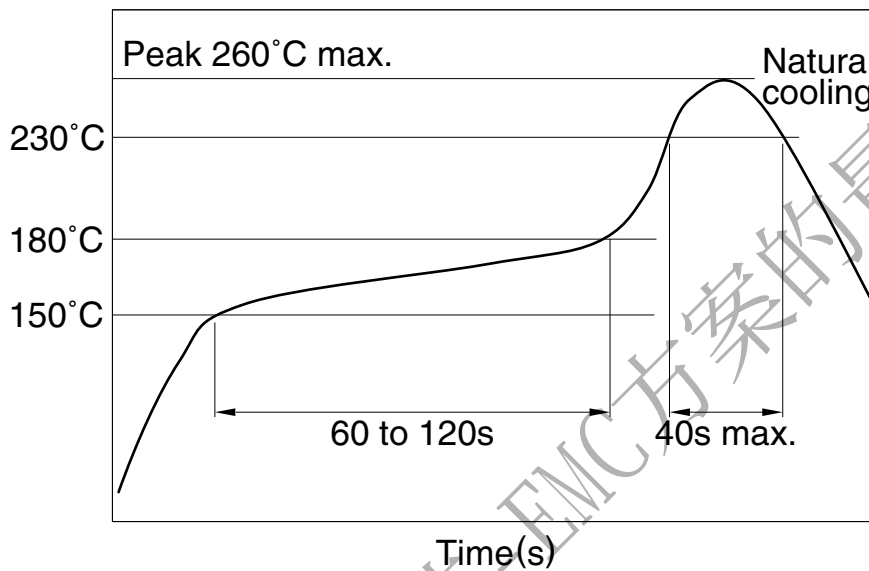
◆ Land Pattern (mm)



◆ Schematics (Bottom)



◆ Reflow Profile For Solder Heat Resistance



CONTACT INFORMATION

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