

TF1210A2X150MT

COMMON MODE FILTER

TOP-EMC

Generals

- This specification covers the engineering requirements for the TF1210A2X150MT (Common Mode Filter)



Features

- Powerful components with composite co-fired material to solve EMI problem for high speed differential signal transmission line as USB, and LVDS, without distortion to high speed signal transmission, Compliant with AEC-Q200.

Applications

- Suppress the emission noise for vehicle multimedia interfaces (MOST, HDMI, IDB-1394, etc.)
- USB(2.0/3.0) Power and Data lines protection

Explanation of Part Numbers

T F 1210A 2X 150 M T
① ② ③ ④ ⑤ ⑥ ⑦

- ① Company Name : TOP-EMC
- ② Product Function : Common Mode Filter
- ③ Dimensions : 1.25mm(L) × 1.00mm(W)
- ④ Number of lines : 2X = 2 lines
- ⑤ Common Mode Impedance (at 100MHz) : 150= 15Ω
- ⑥ Tolerance of common mode impedance : M=±25%
- ⑦ Packing : Tape & Reel

Electrical Characteristics

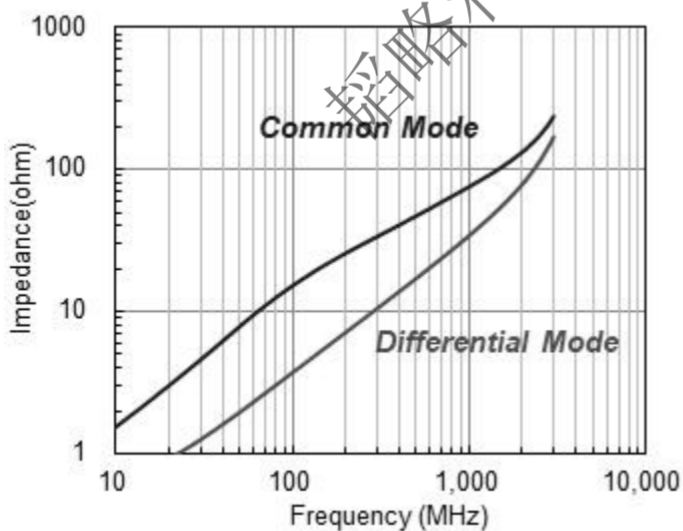
Part Number	Common Mode Impedance(Ω) @100MHz	Rated Voltage (V DC)	Rated Current Max.(mA)	DC Resistance Max.(Ω)	Min. Insulation Resistance
TF1210A2X150MT	15 $\pm$ 25%	10	100	0.8	100M Ω

Note:

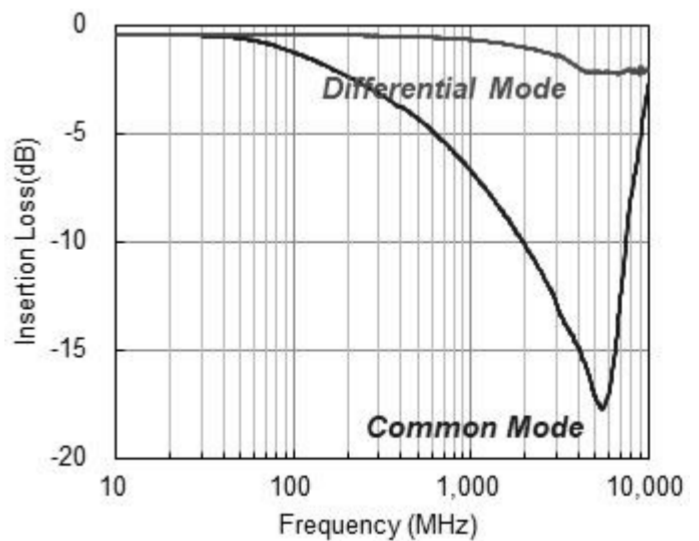
- (1) Operating temperature range : - 40°C ~ +125°C
- (2) Storage Condition : Less than 40°C and 70% RH
- (3) Storage Time: 6months Max.
- (4) Soldering method: Reflow or Wave Soldering

Typical Characteristics

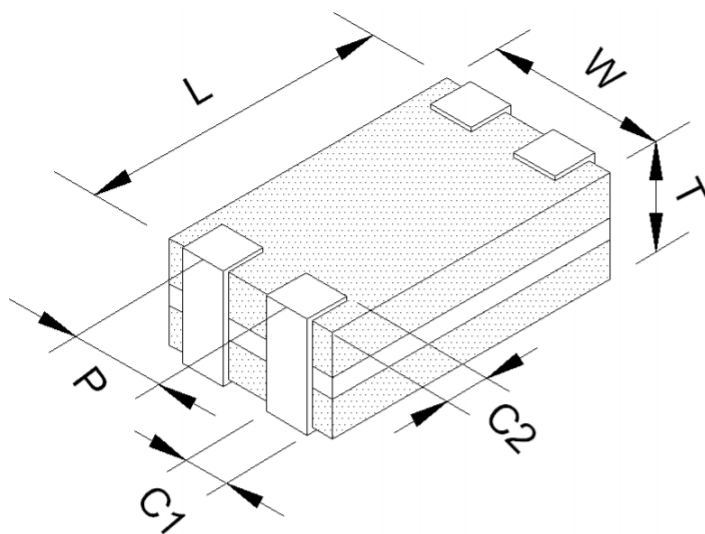
IMPEDANCE vs. FREQUENCY CHARACTERISTICS



INSERTION LOSS vs. FREQUENCY CHARACTERISTICS

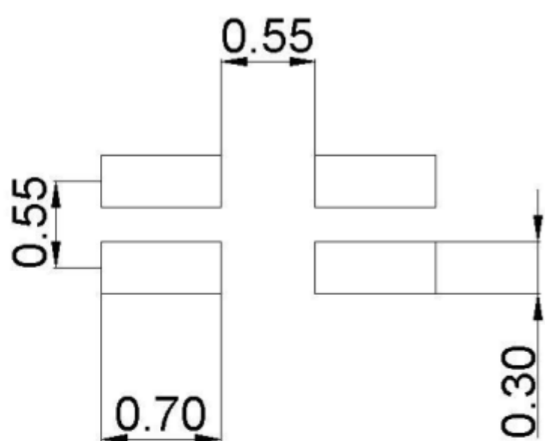
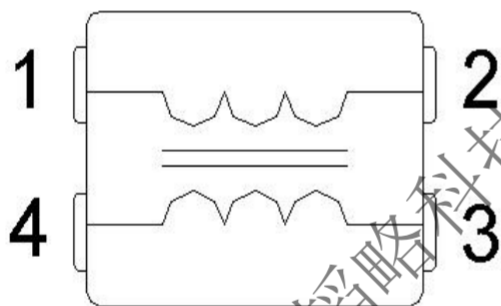


Shapes And Dimensions

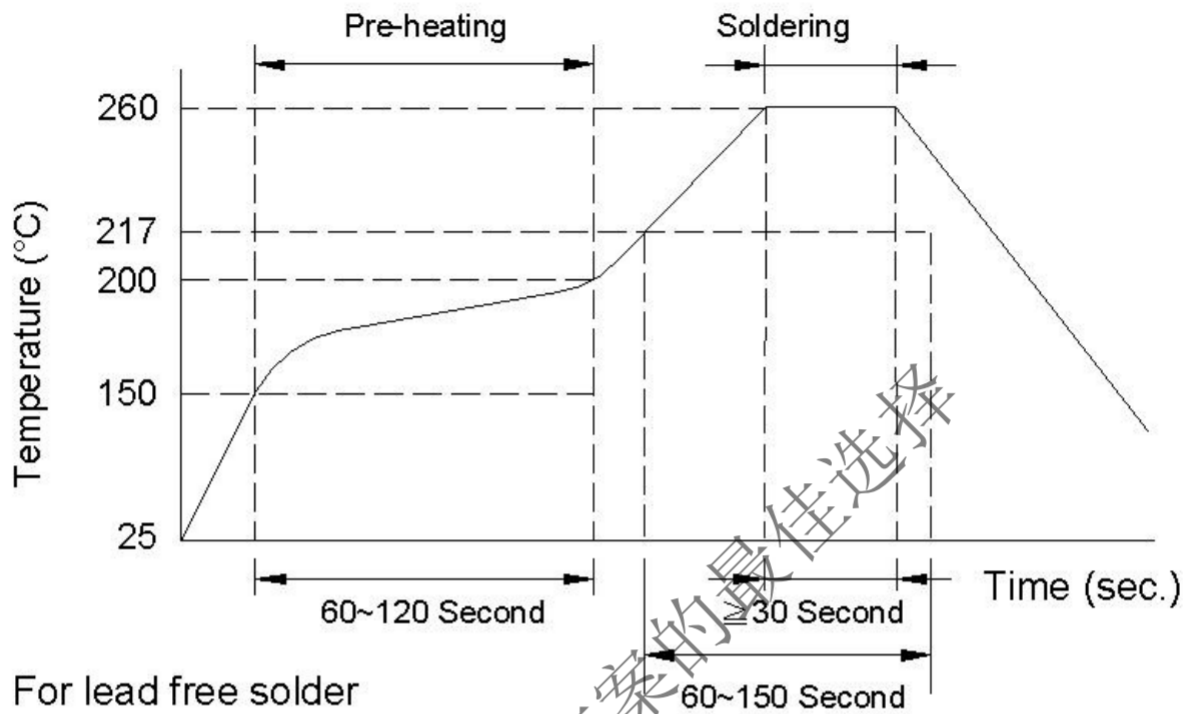


TYPE	Dimension
L	1.25±0.10
W	1.00±0.10
T	0.50±0.10
P	0.55±0.10
C1	0.30±0.10
C2	0.30±0.15
Unit : mm	

Circuit Configuration And Layout Pad



Recommended Soldering Conditions



CONTACT INFORMATION

SHENZHEN TOP-FLIGHT TECHNOLOGY CO.,LTD

4th Floor, C Building, Yuanfen Industrial Park, Bulong Road, Longhua New District, Shenzhen

Tel: 86-755-82908191 Fax: 86-755-82908701 Email: kang@topleve.com

Website: <http://www.topleve.com>