

TLDCM3225 Series

DC COMMON MODE FILTER

TOP-EMC

Feature

- A chip-type common mode filter for large current applications. Common mode impedance surpasses 90Ω at 100MHz.
- Capable of handling the highest current (up to 1A) 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.



Application

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

Part Number System

TLDCM 3225 -2 -601 T F
① ② ③ ④ ⑤ ⑥

- ① Type: TLDCM
- ② External Dimensions (L×W) (mm) 3.2×2.5
- ③ Number of Lines: 2
- ④ Impedance: 601=600 Ω
- ⑤ Packing : Tape & Reel
- ⑥ F: Hazardous Substance Free Products

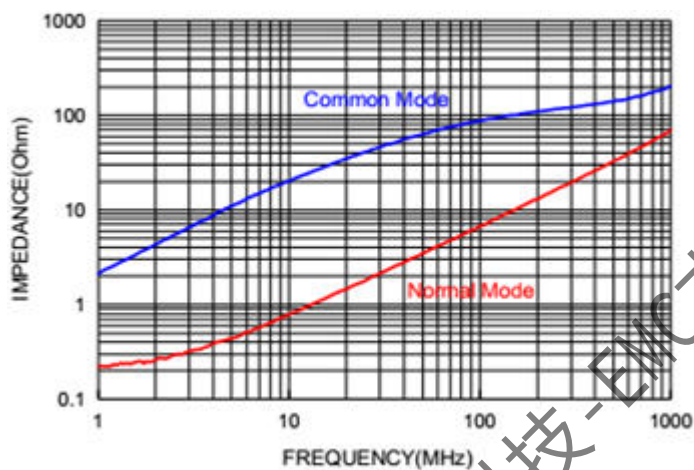
Specifications

Part Number 型号	Common Mode Impedance @100MHz 共模阻抗	Max. DC Resistance 直流电阻	Max. Rated Current 额定电流	Rated Voltage 额定电压	Min. Insulation Resistance 绝缘电阻
Units 单位	Ω	Ω	mA	Volts	M Ω
Symbol 符号	Z	DCR	I _r	V _{DC}	IR
TLDCM3225-2-900TF	90	0.1	1000	50	10
TLDCM3225-2-601TF	600	0.2	1000	50	10
TLDCM3225-2-102TF	1000	0.3	400	50	10

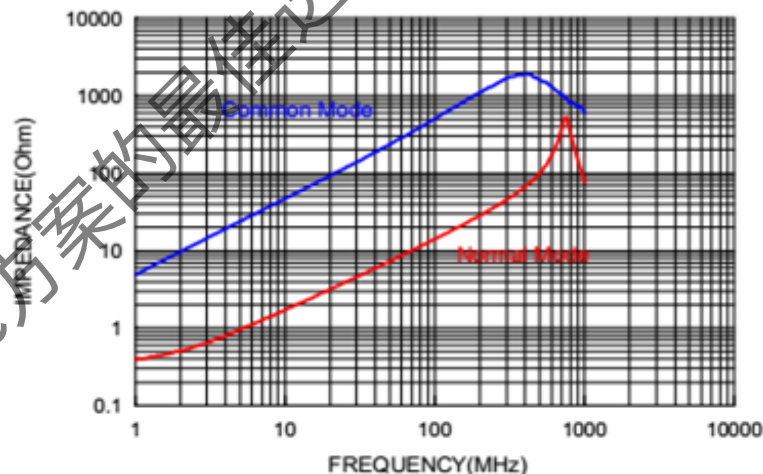
- (1). Rated Current: Temp. rise 40°C Typ
- (2). Operating Temperature: - 40°C up to +125°C
- (3). Storage Temperature:-20°C up to +40°C,75% RH max.

Typical Electrical Characteristics

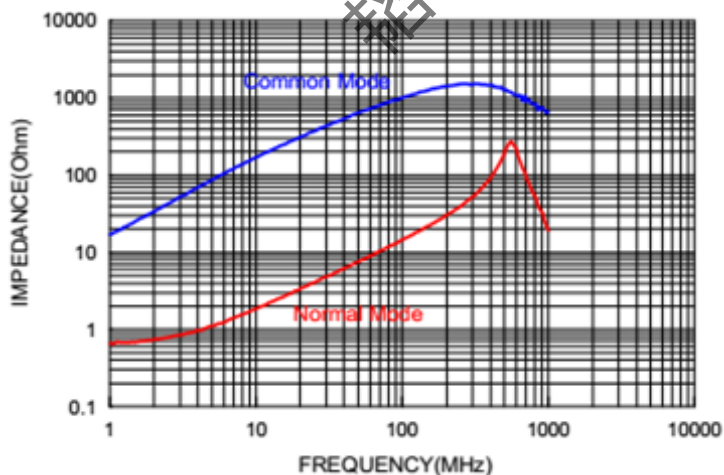
TLDCM3225-2-900TF



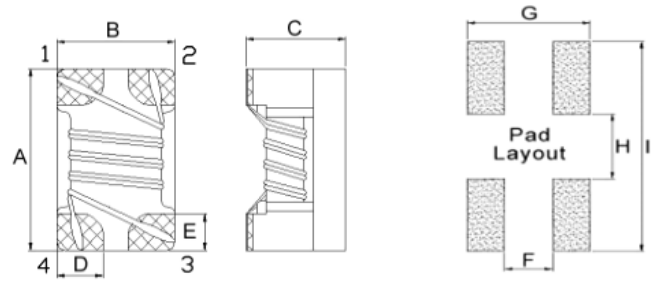
TLDCM3225-2-601TF



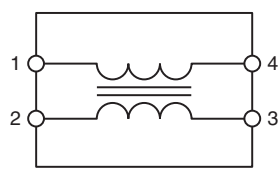
TLDCM3225-2-102TF



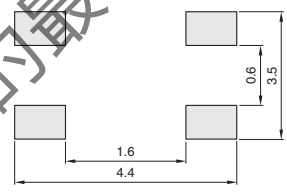
Shape And Dimensions



Part Number	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	I(mm)
TLDCM3225-2-601TF	3.2±0.2	2.5±0.2	2.2±0.2	0.9	0.8	0.6	3.5	1.6	4.4



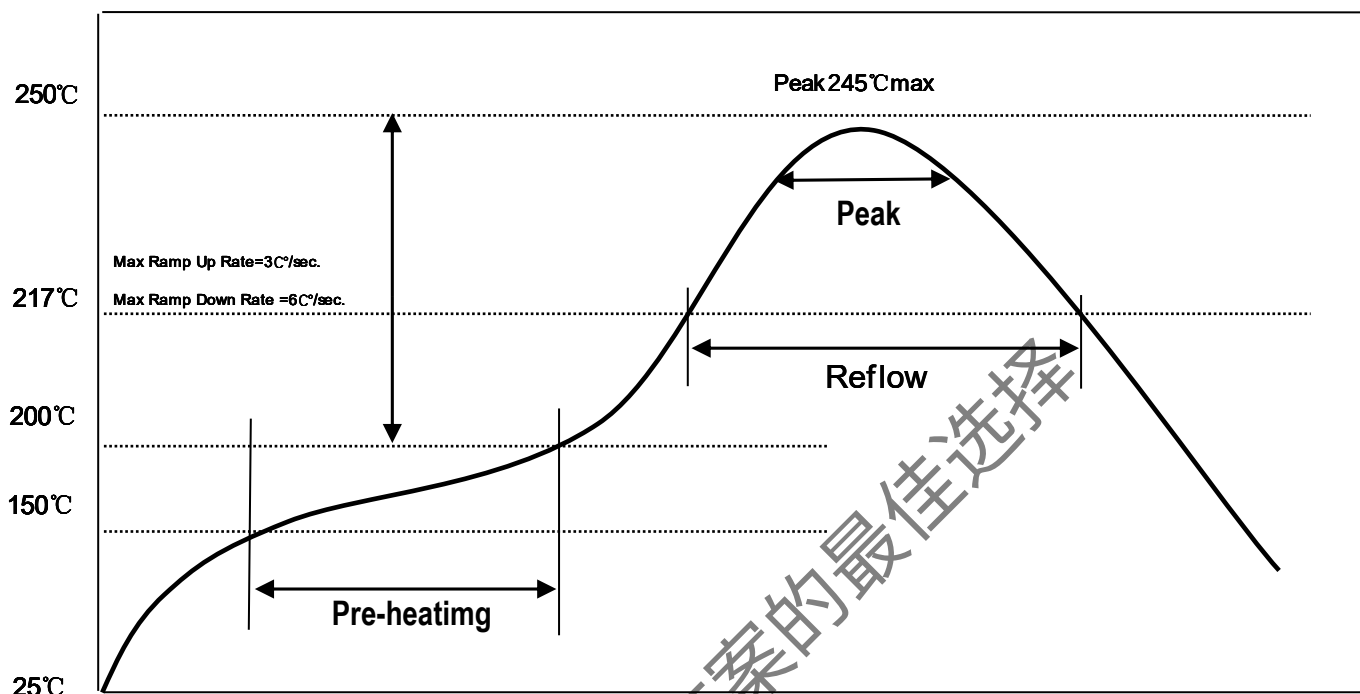
Equivalent Circuit



Land Pattern

Dimensions in mm

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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