

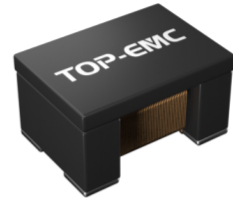
TECMI3225-2-800TF

Wire Wound Chip Common Mode Choke Coil

TOP-EMC

Feature

- Winding type realizes small size and low profile
- Prevention of common mode noise at high Frequency
- 3000Ω are optional for different noise level and signal frequency
- Excellent soldering heat resistance
- Operating Temp:-40°C+125°C
- Compliant with AEC-Q200



Application

- OPEN ALLIANCE 1000BASE-T1 response

Part Number System

TECMI 3225 -2 -800 T F
① ② ③ ④ ⑤ ⑥

- ① Type:TECMI
- ② External Dimensions (L×W) (mm): 3.2X2.5
- ③ Number of Lines:2
- ④ Inductance :800=80uH
- ⑤ Packing :Tape & Reel
- ⑥ F:Hazardous Substance Free Products

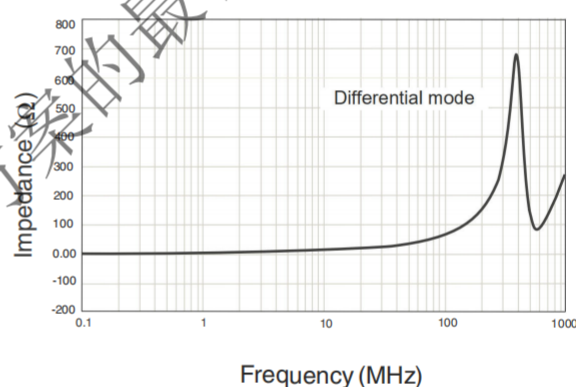
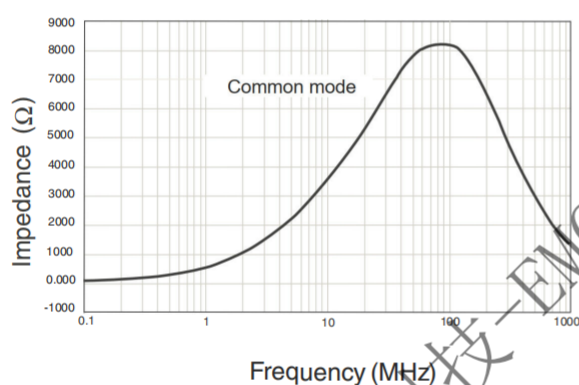
Specifications

Part Number	Inductance	DC Resistance	Rated Current	Rated Voltage	Insulation Resistance
	L (uH)	DCR (Ω)	Ir (mA)	V _{DC} (V)	IR (M Ω)
	+50%/-30%, 100KHz/0.1V	Max	Max	Max	Min
TECMI3225-2-800TF	80	3.0	70	80	10

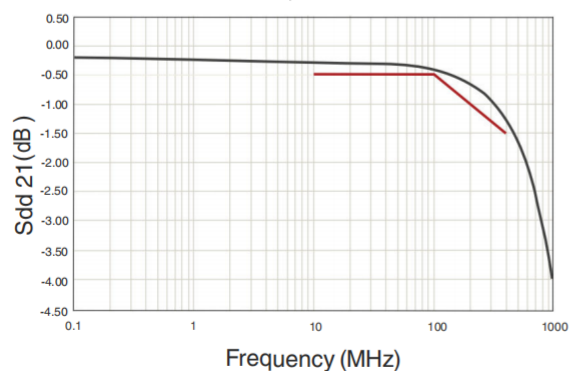
1. Rated Current Applied the current to coils, the temperature rise shall not be more than $\Delta T \leq 40^\circ\text{C}$
2. Operating Temperature: $-40 \sim +125^\circ\text{C}$, Storage Temperature: -10 to $+40^\circ\text{C}$, 30~70%RH

Typical Electrical Characteristics

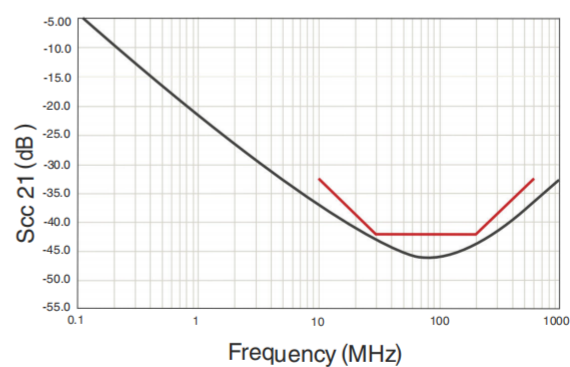
Impedance VS. Frequency Characteristics

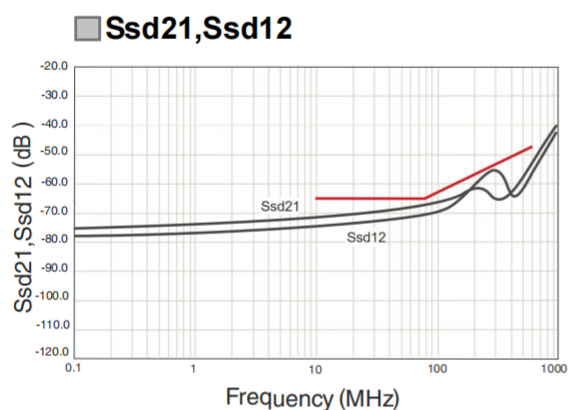
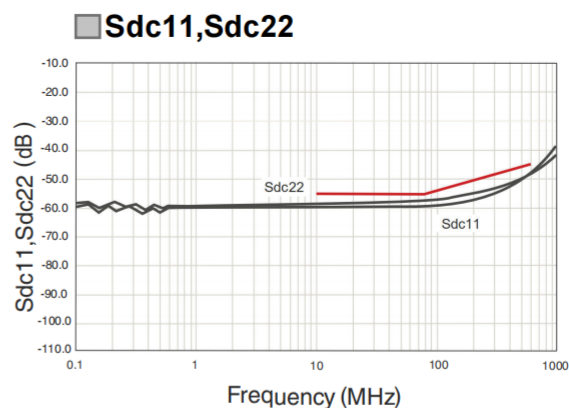
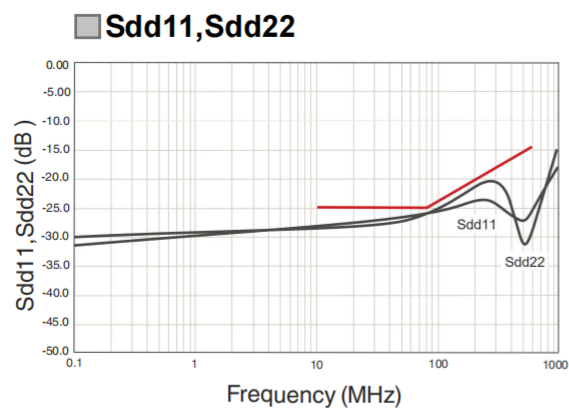


Sdd21

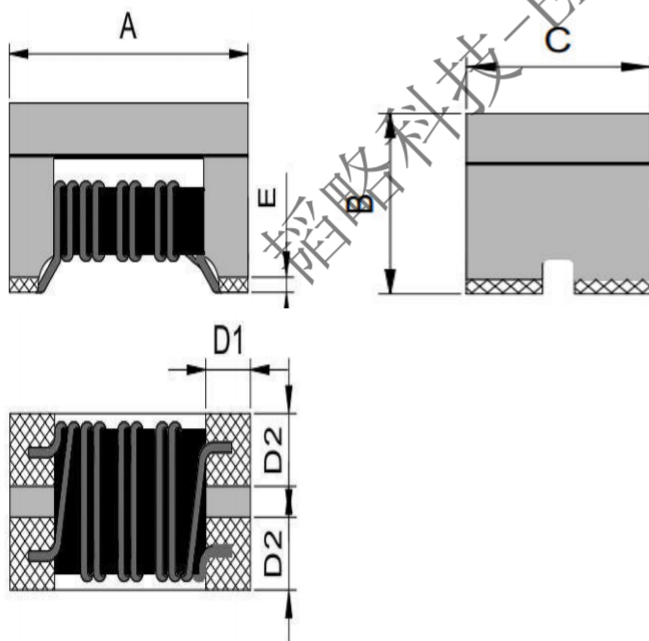


Scs21

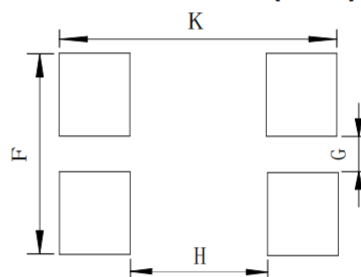




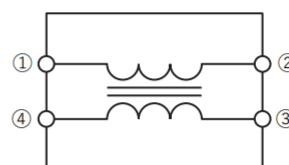
Shape And Dimensions



Land Pattern (mm)

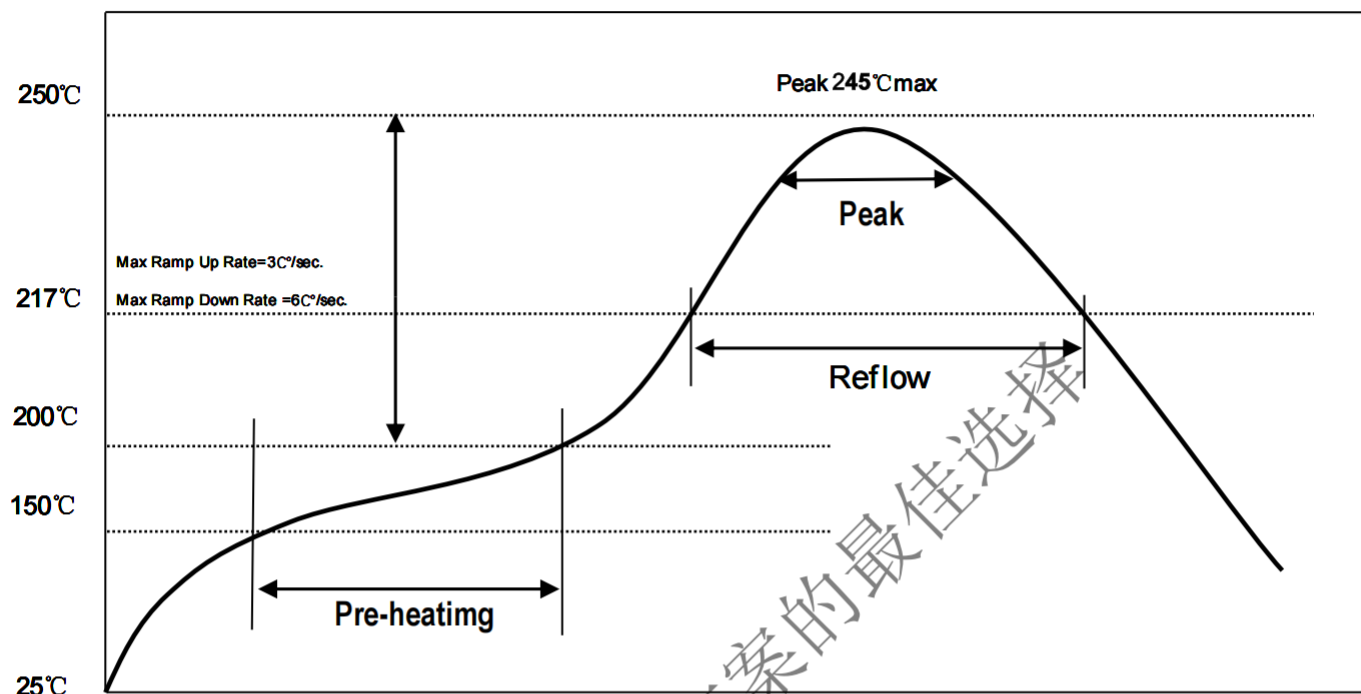


Schematics (Bottom)



A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	E(mm)	F(mm)	G(mm)	H(mm)	K(mm)
3.2±0.2	2.5Max	2.5±0.2	0.8Ref	0.8Ref	0.25Max	2.8Ref	0.6Ref	1.8Ref	3.7Ref

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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