

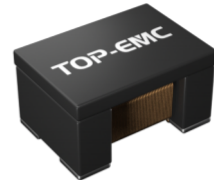
# TECMI3225-2-201TF

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
- 8000Ω 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 100BASE-T1 response

## Part Number System

TECMI 3225 -2 -201 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 :201=200uH
- ⑤ Packing :Tape & Reel
- ⑥ F:Hazardous Substance Free Products

## Specifications

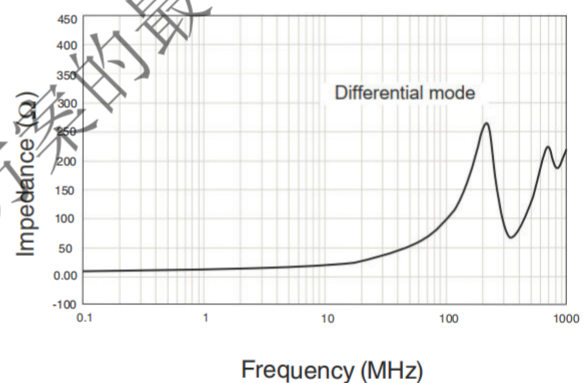
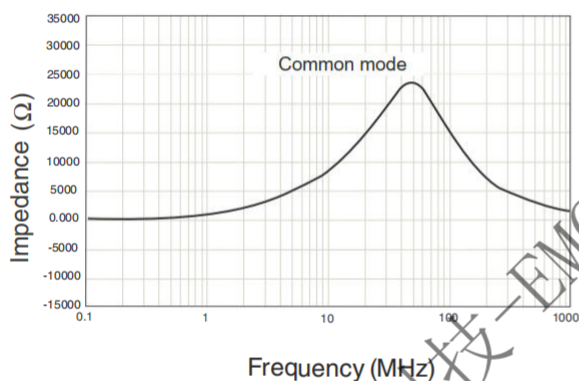
| Part Number       | Inductance             | DC Resistance    | Rated Current | Rated Voltage       | Insulation Resistance |
|-------------------|------------------------|------------------|---------------|---------------------|-----------------------|
|                   | L (uH)                 | DCR ( $\Omega$ ) | Ir (mA)       | V <sub>DC</sub> (V) | IR (M $\Omega$ )      |
|                   | +50%/-30%, 100KHz/0.1V | Max              | Max           | Max                 | Min                   |
| TECMI3225-2-201TF | 200                    | 4.5              | 70            | 80                  | 10                    |

1. Rated Current Applied the current to coils, the temperature rise shall not be more than  $\Delta T \leq 40^\circ\text{C}$

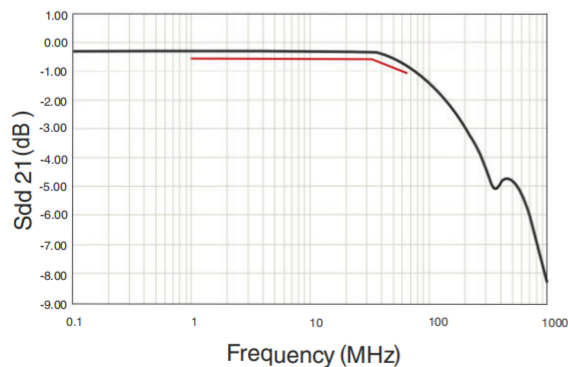
2. Operating Temperature:  $-40 \sim +125^\circ\text{C}$ , Storage Temperature:  $-10$  to  $+40^\circ\text{C}$ , 30~70%RH

## Typical Electrical Characteristics

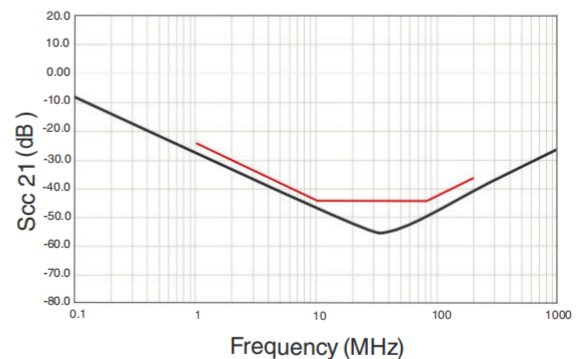
### Impedance VS. Frequency Characteristics

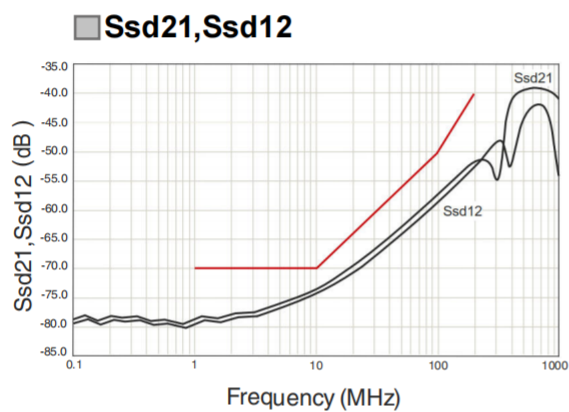
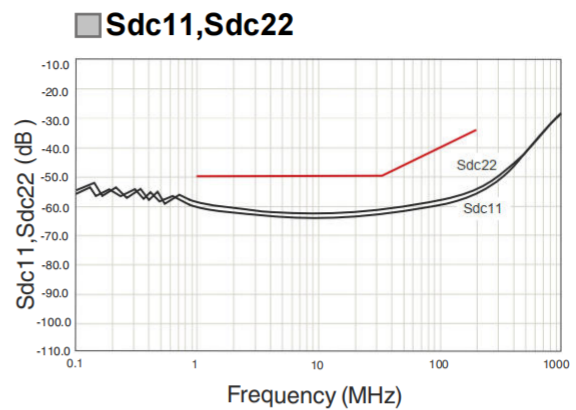
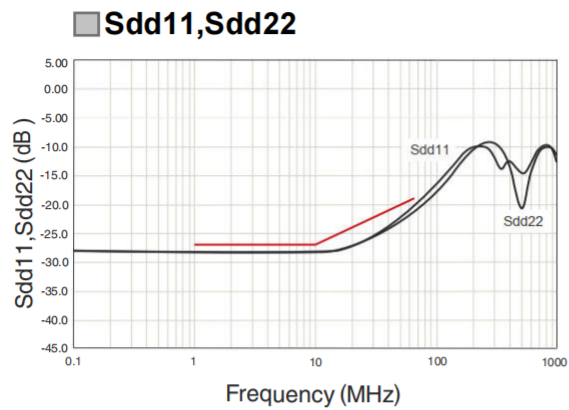


### Sdd21

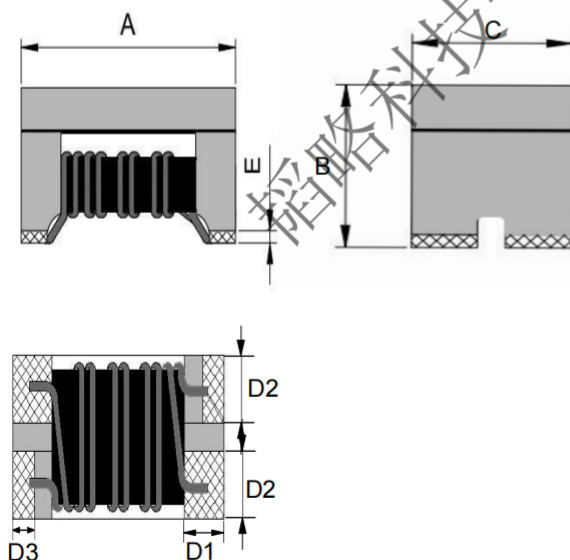


### Scs21

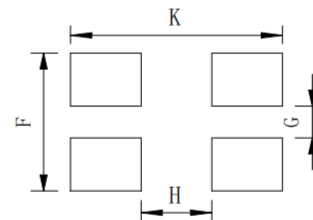




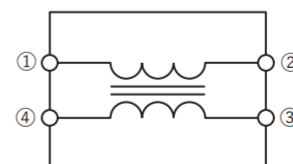
## Shape And Dimensions



## Land Pattern (mm)

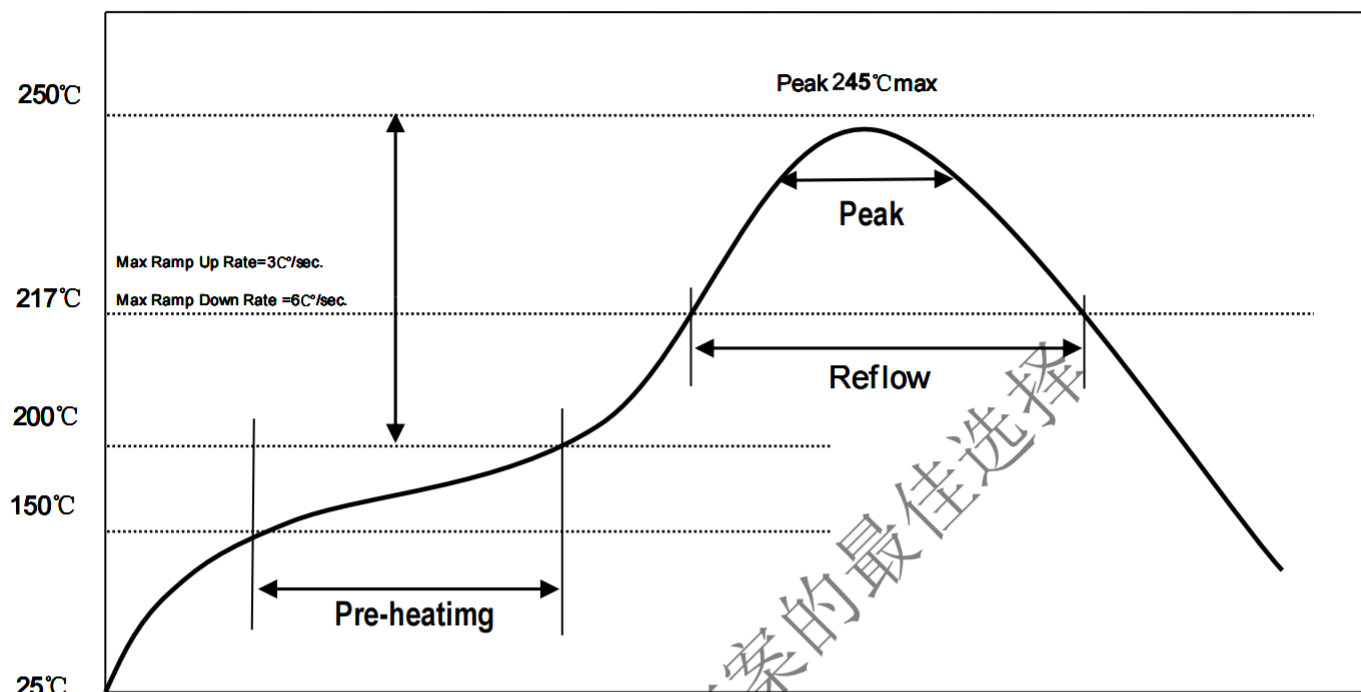


## Schematics (Bottom)



| A(mm)   | B(mm)  | C(mm)   | D1(mm) | D2(mm) | D3(mm)  | E(mm)   | F(mm)  | G(mm)  | H(mm)  | K(mm)  |
|---------|--------|---------|--------|--------|---------|---------|--------|--------|--------|--------|
| 3.2±0.2 | 2.5Max | 2.5±0.2 | 0.7Ref | 0.9Ref | 0.45Ref | 0.25Max | 2.8Ref | 0.6Ref | 1.8Ref | 4.1Ref |

## 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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