

Wire Wound Type Common Mode Filter

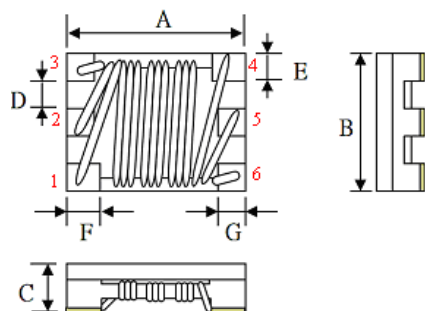
TCM322512F3SFK-SERIES

1. Features

1. High common mode impedance at high frequency effects excellent noise suppression performance.
2. TCM322512F3SFK series realizes small size and low profile.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. Operating temperature -40~+125°C (Including self - temperature rise)



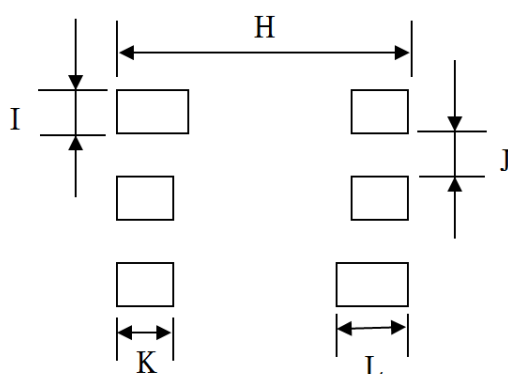
2. Dimension



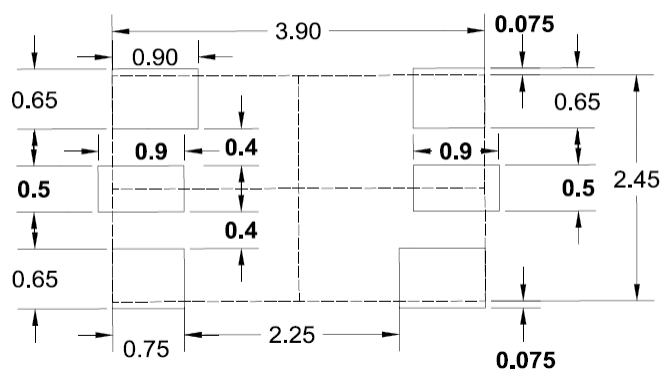
Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)
322512F3SFK	3.2±0.2	2.5±0.2	1.3 max.	0.25±0.1	0.65±0.1	0.50±0.1	0.50±0.1

Units: mm

Recommended PC Board Pattern



Solder paste stencil aperture recommendation



Series	H(mm)	I(mm)	J(mm)	K(mm)	L(mm)
322512F3SFK	3.9	0.65	0.25	0.75	0.90

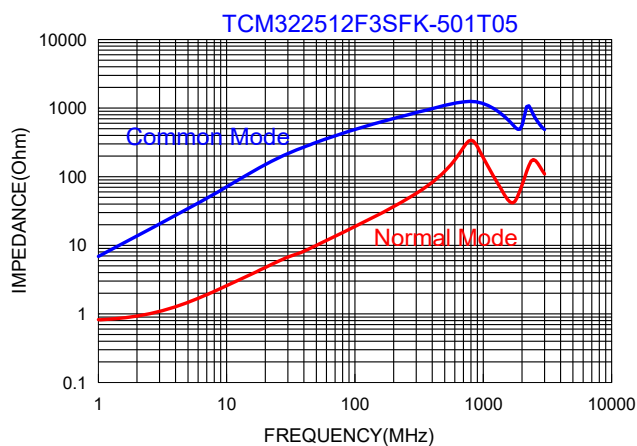
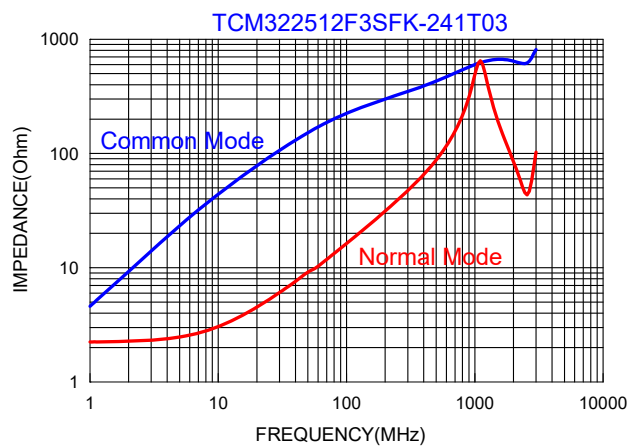
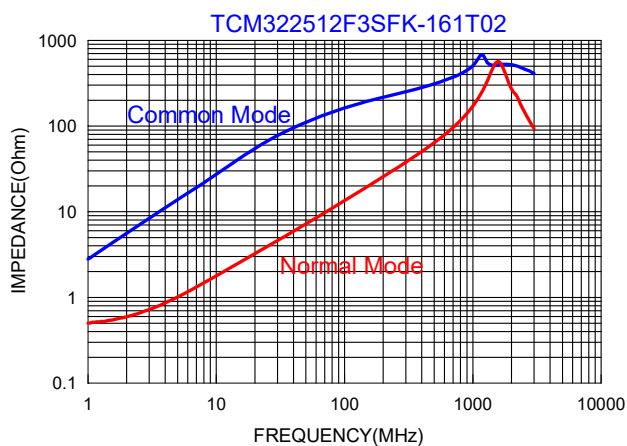
3. Part Numbering

TCM
322512
F
3
S
F
K
-
161
T
02

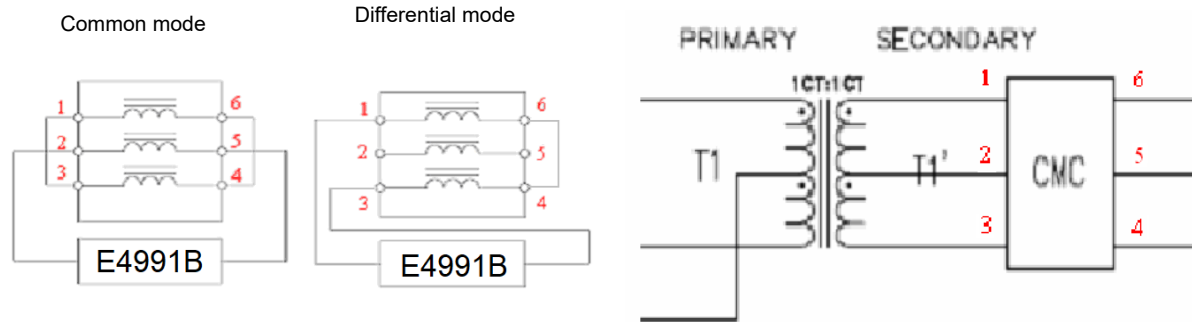
A: Series
 B: Dimension
 C: Material Ferrite Core
 D: Number of Lines 3=3 lines
 E: Type S=Shielded , N=Unshielded
 F: Lead free type
 G: Control S/N
 H: Impedance 161=160Ω±25%
 I: Packaging T=Taping and Reel
 J: Rated Current 02=200 mA

4. Specification

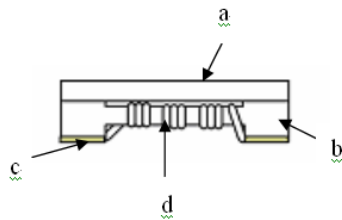
TAI-TECH Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max	Rated Volt. (Vdc) max	Withstand Volt. (Vdc) max	IR (Ω) min.
TCM322512F3SFK-161T02	160±25%	100	0.21	200	50	125	10M
TCM322512F3SFK-241T03	240±25%	100	0.33	300	50	125	10M
TCM322512F3SFK-501T05	500±25%	100	0.43	500	50	125	10M



5. Schematic Diagram



6. Materials



No.	Description	Specification
a.	Upper Plate	Ferrite
b.	Core	Ferrite Core
c.	Termination	Ag/Ni/Sn
d.	Wire	Enameled Copper Wire