Wire Wound Type Common Mode Filter For Power Over Coaxial APOC2012F2SO-SERIES

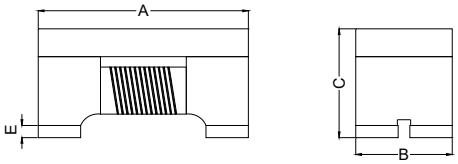
1. Features

1. High common mode impedance at high frequency cause excellent noise suppression performance.
2. APOC2012F2SO series realizes small size and low profile. 2.0x1.2x1.2 mm.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. Operating temperature-40~+125℃(Including self - temperature rise).

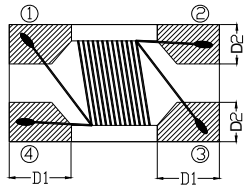
Halogen-free

RoHS

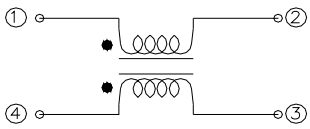
2. Dimension



Series	A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	E(mm)
2012F2SO	2.00±0.20	1.20±0.20	1.20±0.20	0.50±0.10	0.51±0.10	0.15±0.10



Bottom View



Schematic Diagram

3. Part Numbering

APOC	2012	F	2	S	O	-	201	T	05
A	B	C	D	E	F		G	H	I

A: Series
B: Dimension
C: Material — Ferrite Core
D: Number of Lines — 2=2 lines
E: Type — S=Shielded, N=Unshielded
F: Category Code — Industrial Grade
G: Impedance — 201=200Ω
H: Packaging — T=Taping and Reel
I: Rated Current — 05=500mA

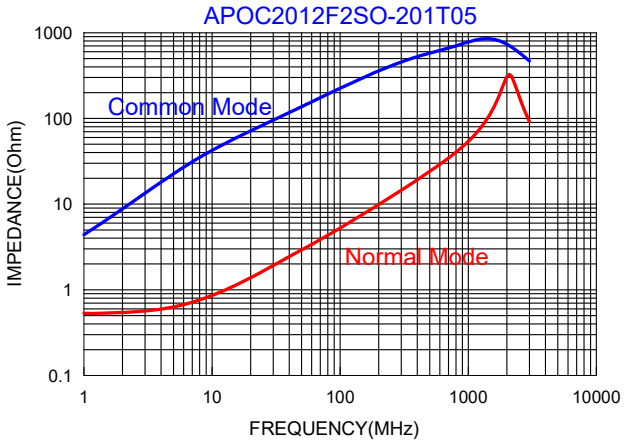
4. Specification

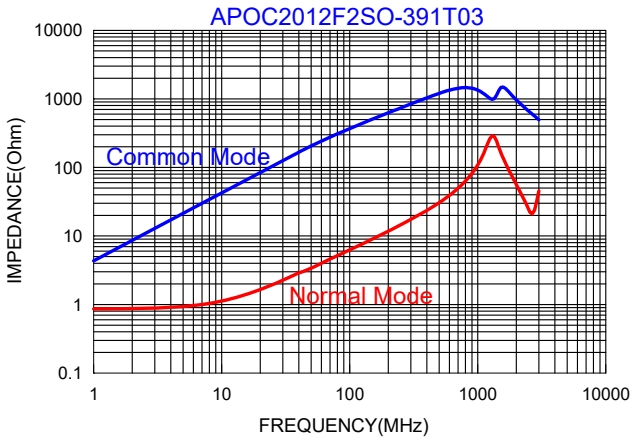
TAI-TECH Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA)max.	Rated Volt. (Vdc)max.	Withstand Volt. (Vdc) max.	Insulation Resistance (Ω) min.
APOC2012F2SO-201T05	200±25%	100	0.168	500	50	125	10M
APOC2012F2SO-391T03	390±25%	100	0.360	300	50	125	10M

Note:

- All test data referenced to 25℃ ambient.

Typical Impedance v.s. Frequency Curve





5. Recommended PC Board Pattern

	APOC2012F2S
L(mm)	2.60
H(mm)	1.40
G1(mm	1.25
G2(mm	0.45

