

Wire Wound Type Common Mode Filter

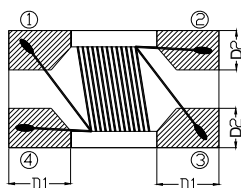
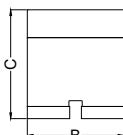
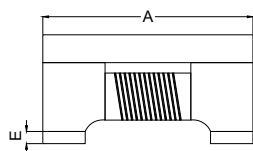
WCL21S-SERIES

1. Features

1. High common mode impedance at high frequency cause excellent noise suppression performance.
2. WCL21S 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°C (Including self - temperature rise)



2. Dimension



Series	A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	E(mm)
21S	2.0±0.2	1.2±0.2	1.2±0.2	0.50±0.1	0.51±0.1	0.15±0.1

3. Part Numbering

WCL 21 S 181 - 03A

A B C D E

A: Series

B: Dimension

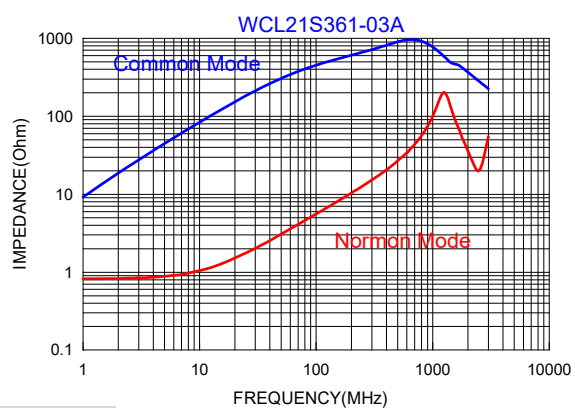
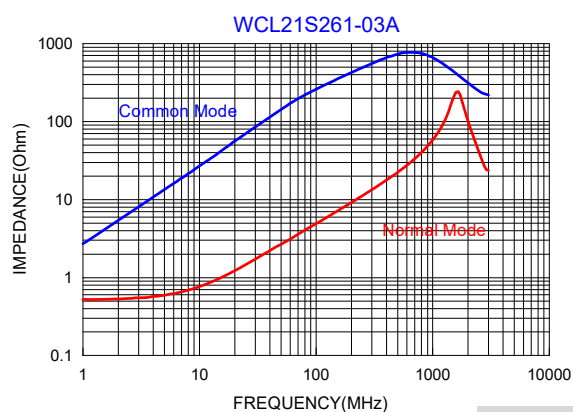
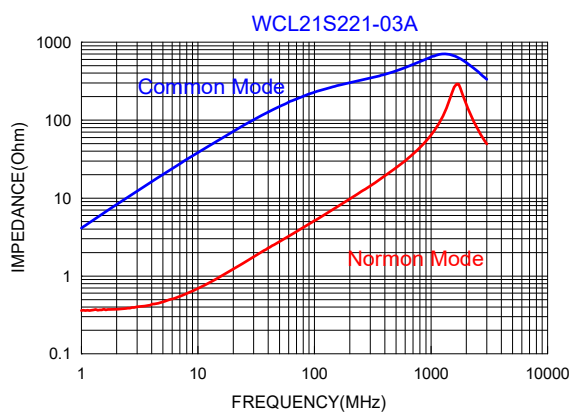
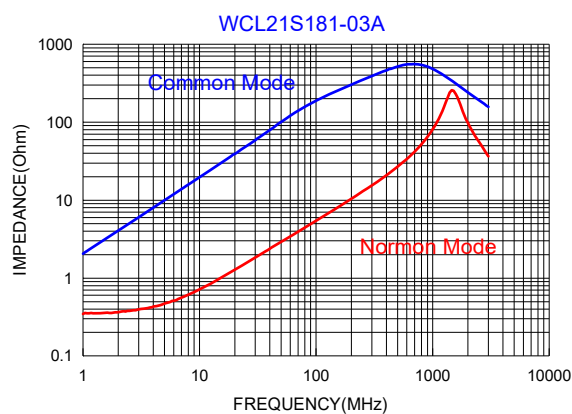
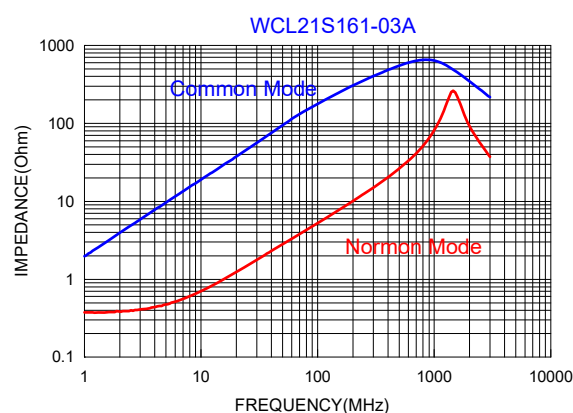
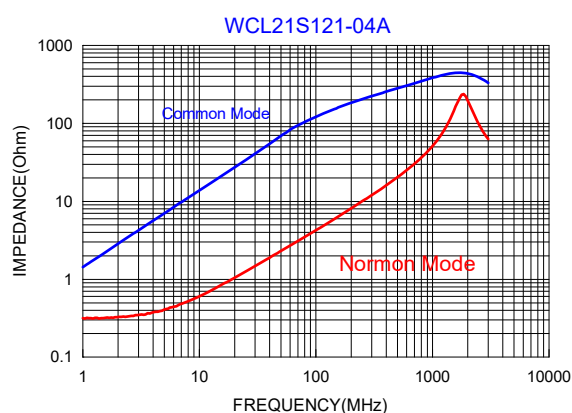
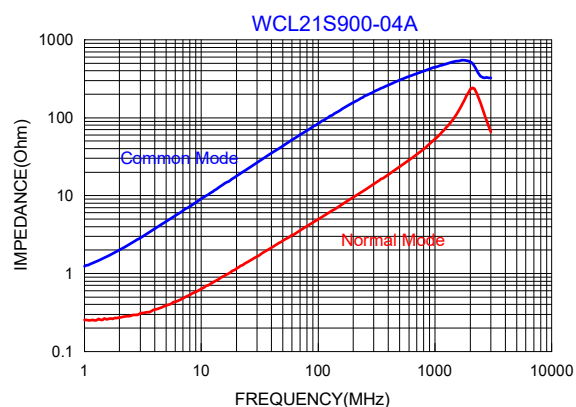
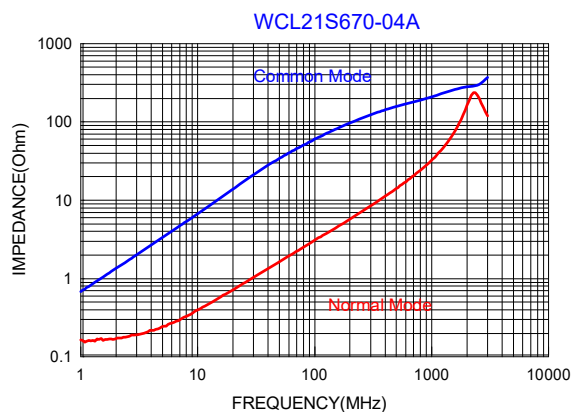
C: Material

D: Impedance 181=180Ω

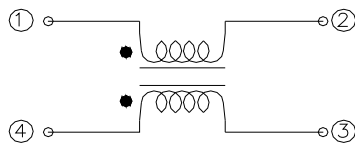
E: Rated Current 03=350mA

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.
WCL21S670-04A	67±25%	100	0.25	400	50	125	10M
WCL21S900-04A	90±25%	100	0.30	400	50	125	10M
WCL21S121-04A	120±25%	100	0.30	400	50	125	10M
WCL21S161-03A	160±25%	100	0.35	350	50	125	10M
WCL21S181-03A	180±25%	100	0.35	350	50	125	10M
WCL21S221-03A	220±25%	100	0.40	300	50	125	10M
WCL21S261-03A	260±25%	100	0.40	300	50	125	10M
WCL21S361-03A	360±25%	100	0.50	300	50	125	10M

Typical Impedance v.s. Frequency Curve

5. Schematic Diagram



6. Recommended PC Board Patte

	WCL21S
L(mm)	2.60
H(mm)	1.40
G1(mm)	1.25
G2(mm)	0.45

