



AC Line Filters – Common Mode Choke Coil

UU15.7LF SERIES

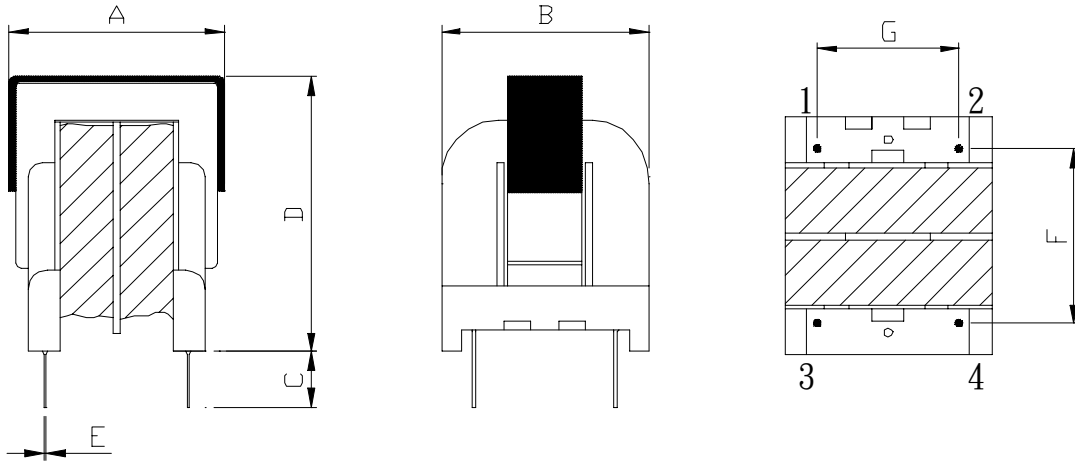


PART NUMBERING SYSTEM

<u>UU</u>	<u>15.7LF</u>	—	<u>152</u>	—	<u>LF</u>
TYPE	DIMENSIONS		IMPEDANCE		LEAD FREE

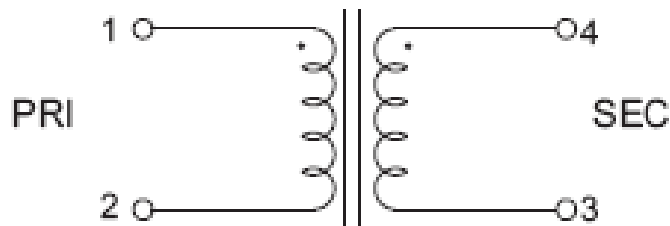
SHAPES AND DIMENSIONS

UNIT : mm



A=23.0Max. B=19.0Max. C=4±1.0 D=28.0 max. E=0.7±0.1 F=10±0.5 G=13±0.5

Schematic :





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DESCRIPTION

- Through-Hole off-line common mode inductors .
- Inductance range from 0.70mH to 43.2 mH .
- Provide significant attenuation of common noise across a broad range of frequencies . .
- UU15.7 families are low cost, high efficiency choke coil designed to virtually eliminate line conducted common mode noise .

APPLICATIONS

- Off-line power supplies.
- Protects AC input from effects of switching regulators .
- DC - DC Converters .
- Computer , TV , VCR , audio and office equipment . .

ELECTRICAL CHARACTERISTICS :

PART NUMBER	Common Mode Inductance (mH)	RATED CURRENT (Aac)	RATED VOLTAGE (V)	INSULATION RESISTANCE (M ohm)
UU15.7LF-212-LF	2.20 min.	2.2	300	100min.
UU15.7LF-302-LF	3.20 min.	1.9	300	100min.
UU15.7LF-472-LF	4.70min.	1.5	300	100min.
UU15.7LF -682-LF	6.80min.	1.3	300	100min.
UU15.7LF-123-LF	12.0 min.	1.0	300	100min.
UU15.7LF-153-LF	15.0 min.	0.8	300	100min.
UU15.7LF-223-LF	22.0 min.	0.6	300	100min.

- 1) Test Frequency : 1KHZ / 1V
- 2) Operating Temperature Range : -40°C to + 85 °C range is application specific.
- 3) Winding Temperature Rise (at Rated Current) : 60K max.
- 4) Packaging : Supplied in bulk packaging.