



UU15.7LF SERIES ~ Common Mode Choke



RoHS Compliant

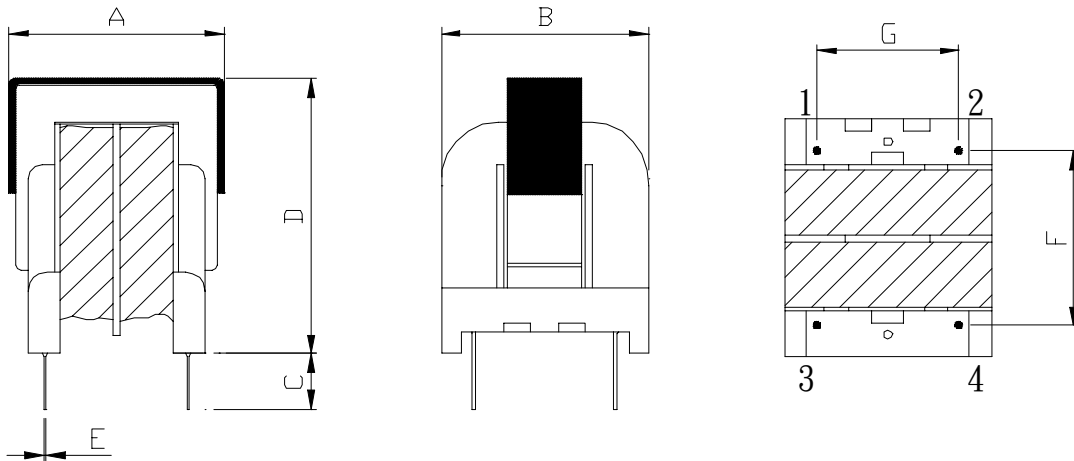
AC Line Filters

PART NUMBERING SYSTEM

| | | | | | |
|-----------|---------------|---|--------------|---|-----------|
| UU | 15.7LF | — | 1 5 2 | — | LF |
| TYPE | DIMENSIONS | | IMPEDANCE | | LEAD FREE |

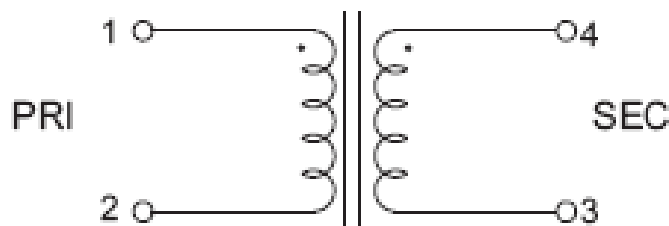
SHAPES AND DIMENSIONS

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.