



## UU15.7LF SERIES ~ Common Mode Choke / AC Line Filters

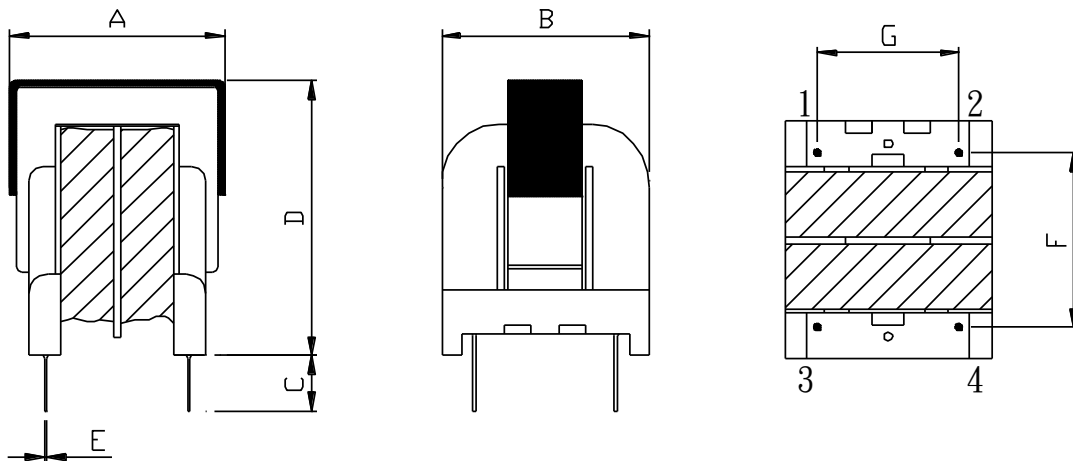


### PART NUMBERING SYSTEM

|           |               |   |            |   |           |
|-----------|---------------|---|------------|---|-----------|
| <b>UU</b> | <b>15.7LF</b> | — | <b>153</b> | — | <b>LF</b> |
| TYPE      | DIMENSIONS    |   | IMPEDANCE  |   | LEAD FREE |

### SHAPES AND DIMENSIONS

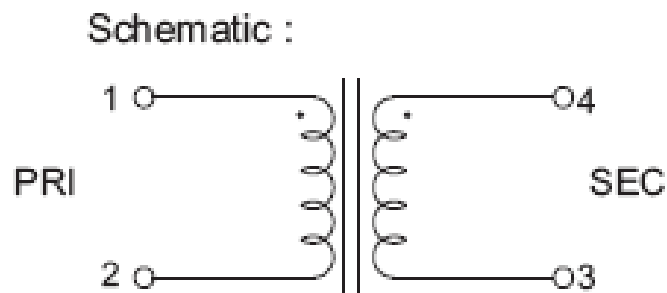
UNIT : mm



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 :

UNIT : mm





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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-222-LF  | 2.20 min.                     | 2.2                 | 300                 | 100min.                         |
| UU15.7LF-302-LF  | 3.20 min.                     | 1.9                 | 300                 | 100min.                         |
| UU15.7LF-472-LF  | 4.70 min.                     | 1.5                 | 300                 | 100min.                         |
| UU15.7LF -682-LF | 6.80 min.                     | 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.                         |
| UU15.7LF-803-LF  | 80.0 min.                     | 0.4                 | 300                 | 100min.                         |

- 1) Test Frequency : 1KHZ / 1V
- 2) Operating Temperature Range : -40℃ to + 125 ℃ range is application specific.
- 3) Winding Temperature Rise (at Rated Current) : 60K max.
- 4) Packaging : Supplied in bulk packaging.