



# AC Line Filters – Common Mode Choke Coil

## UU9.8LF SERIES

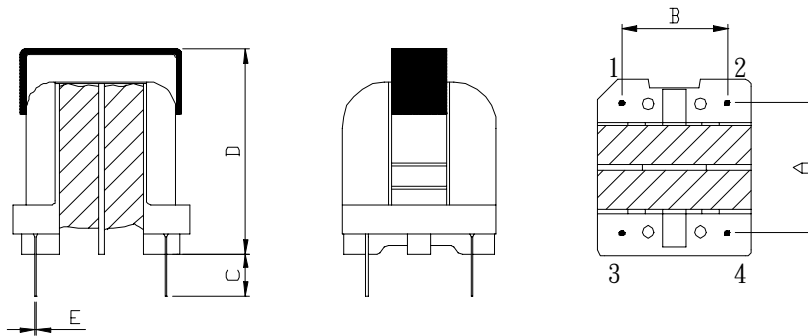


### PART NUMBERING SYSTEM

<u>UU</u>	<u>9.8LF</u>	—	<u>152</u>	—	<u>LF</u>
TYPE	DIMENSIONS		IMPEDANCE		LEAD FREE

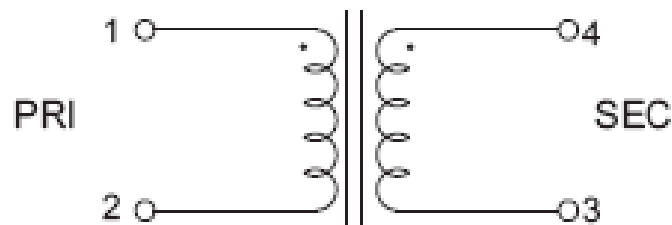
### SHAPES AND DIMENSIONS

UNIT : mm



A=7±0.5 B=8±0.5 C=4±0.5 D=16.5 max. E=0.6±0.1

### Schematic :





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RoHS Compliant

#### 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 . .
- UU9.8 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 )
UU9.8LF-701-LF	0.70 min.	1.0	300	100min.
UU9.8LF-901-LF	0.90 min.	0.9	300	100min.
UU9.8LF-122-LF	1.20min.	0.8	300	100min.
UU9.8LF-142-LF	1.40min.	0.7	300	100min.
UU9.8LF-182-LF	1.80 min.	0.6	300	100min.
UU9.8LF-332-LF	3.30 min.	0.5	300	100min.
UU9.8LF-432-LF	4.30 min.	0.4	300	100min.
UU9.8LF-722-LF	7.20 min.	0.3	300	100min.
UU9.8LF-143-LF	14.4 min.	0.2	300	100min.
UU9.8LF-433-LF	43.2 min.	0.1	300	100min.

- 1) Test Frequency : 40KHZ / 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.