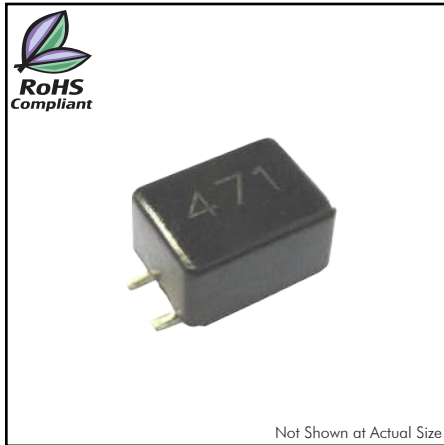


CTDR0904F Series

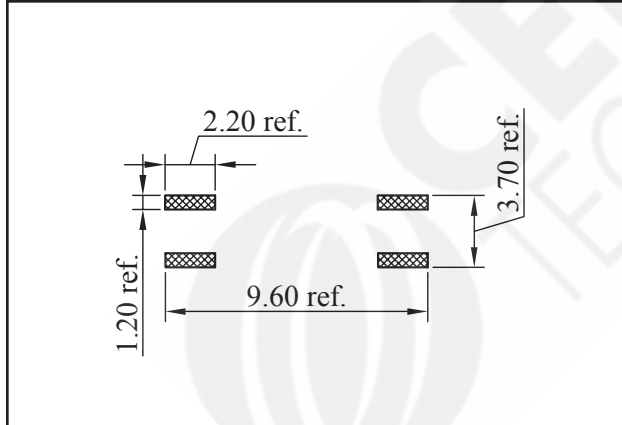
From 11.0µH to 4,700µH

CHARACTERISTICS

Description: SMD data line chokes
Applications: For the suppression of EMI in data and signal lines, e.g. CAN Bus
Operating Temperature: -40°C to +105°C (Temp. rise included)
Storage Temperature: -40°C to +105°C
Resistance to Solder Heat: 250°C, 10 secs.
Rated Voltage: 80 Vdc / 42 Vac
Hi-Pot (N-N): 250 Vac / 60 Hz, 3mA / 1sec.
Rated Current: Based on Temp. rise 30°C max.
Miscellaneous: **RoHS Compliant**
Samples available. See website for ordering information.

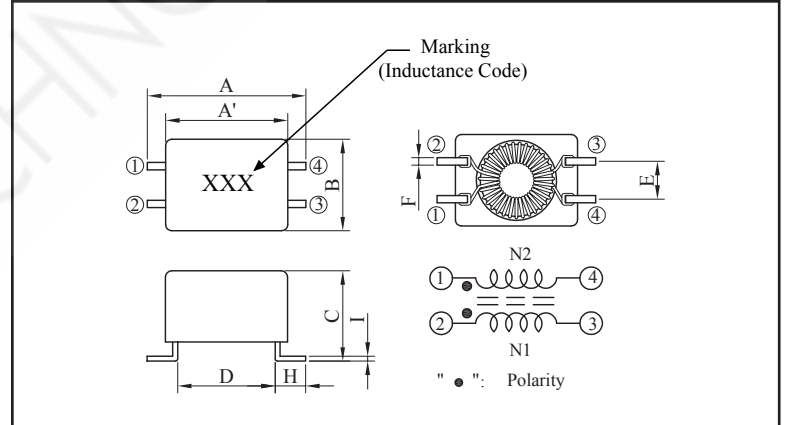


PAD LAYOUT



PHYSICAL DIMENSIONS

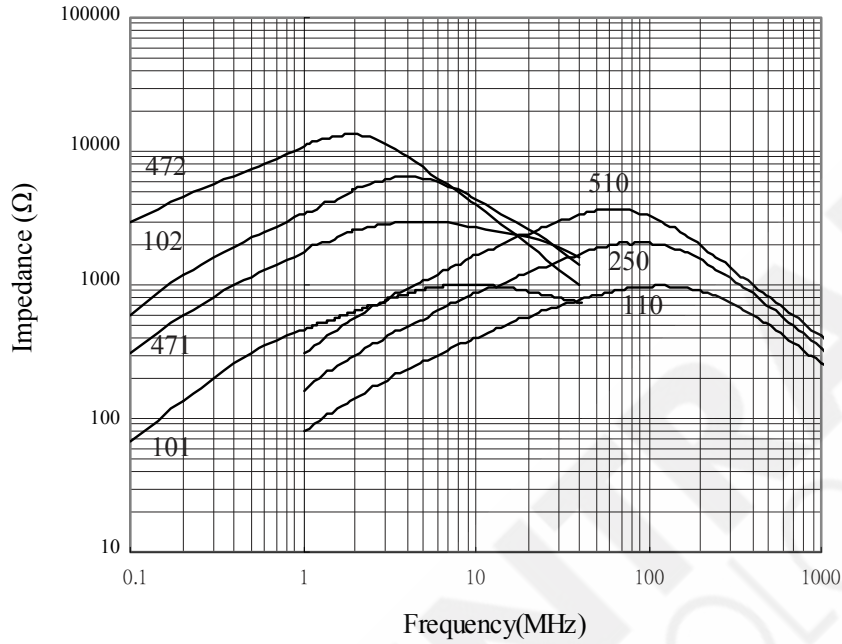
| Size | A | A' | B | C | D | E | F | H | I |
|---------------|------------|------|------------|------------|------|-------|-------|-------|-------|
| | | Typ. | | | Typ. | Typ. | Typ. | Typ. | Typ. |
| mm | 9.00±0.3 | 7.3 | 5.40±0.2 | 4.70±0.15 | 5.5 | 2.54 | 0.5 | 1.75 | 0.3 |
| inches | 0.35±0.012 | 0.29 | 0.21±0.008 | 0.19±0.006 | 0.22 | 0.010 | 0.020 | 0.069 | 0.012 |



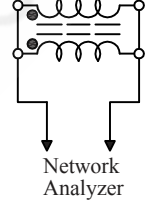
SPECIFICATIONS

| Part Number | L (1-4) @100kHz, 0.1 Vrms (µH) | LL (1-4) (µH) @100kHz, 0.1 Vrms Typ. (2-3 short) | DCR Max. (Ω) | Rated Current Max. (A) | Impedance Min. (Ω) | Freq. Range (MHz) | Winding |
|---------------|--------------------------------|--|--------------|------------------------|--------------------|-------------------|---------|
| CTDR0904F-110 | 11.0±25% | 0.05 | 0.12 | 0.5 | 300 | 20-300 | Bifilar |
| CTDR0904F-250 | 25.0±25% | 1.50 | 0.20 | 0.5 | 700 | 20-150 | Sector |
| CTDR0904F-510 | 51.0±25% | 2.00 | 0.30 | 0.5 | 1500 | 20-100 | Sector |
| CTDR0904F-101 | 100.0±25% | 0.85 | 0.10 | 0.5 | 700 | 3-20 | Sector |
| CTDR0904F-471 | 470.0±25% | 0.28 | 0.28 | 0.5 | 2000 | 2-15 | Bifilar |
| CTDR0904F-102 | 1000.0±25% | 0.29 | 0.40 | 0.5 | 2800 | 1-10 | Bifilar |
| CTDR0904F-472 | 4700.0±25% | 0.30 | 0.70 | 0.2 | 6000 | 0.5-3 | Bifilar |

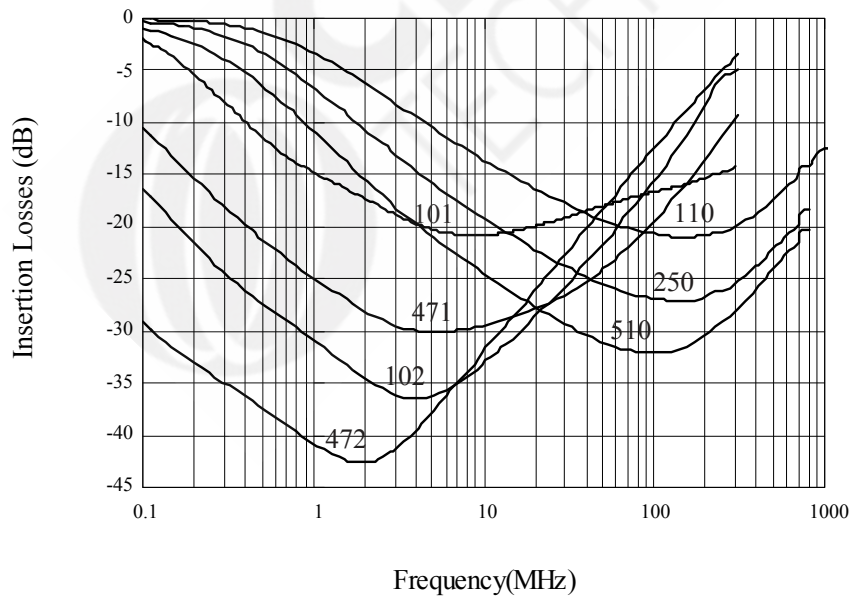
Impedance VS. Frequency



Measuring circuit :



Impedance VS. Frequency



Measuring circuit :

