

RF TRANSFORMER

For Wideband RF Applications



- For single-ended to balanced applications
- Value-oriented construction
- Miniature surface mount package
- Excellent insertion loss
- Designed for CATV Distribution/Drop Amplifiers, Set Top Boxes and Home Gateways

Electrical Specifications @ 25°C — Operating Temperature -40°C to +85°C

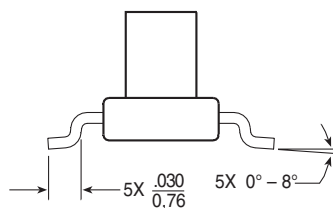
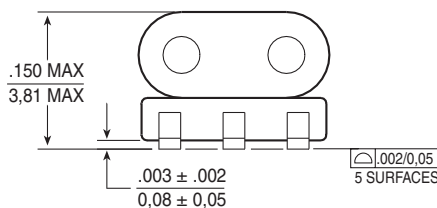
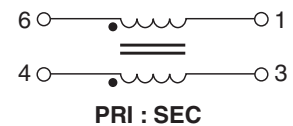
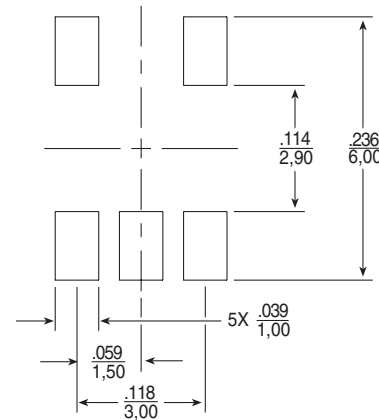
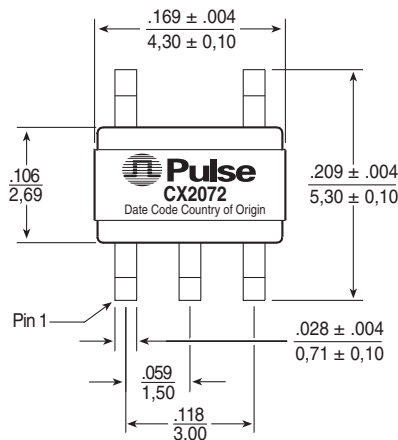
Part Number	Impedance Ratio ¹ Pri:Sec (±2%)	Insertion Loss			Return Loss		Phase Unbalance (10-1000 MHz)	Amplitude Unbalance (10-1000 MHz)
		(10-50 MHz)	(50-870 MHz)	(870-1000 MHz)	(10-50 MHz)	(50-100 MHz)		
CX2072	1:1	1.0 dB MAX	0.5 dB MAX	0.7 dB MAX	>40/20 dB TYP/MIN	>30/20 dB TYP/MIN	6 deg. MAX	1 dB MAX

NOTE: Optional Tape & Reel packaging can be ordered by adding a "T" suffix to the part number (ex: CX2072T).

Mechanical

Schematic

CX2072



Weight0.43 grams
Tape & Reel2200 /reel
Tray100 /tray

Dimensions: $\frac{\text{Inches}}{\text{mm}}$
Unless otherwise specified,
all tolerances are $\pm \frac{.010}{0.25}$

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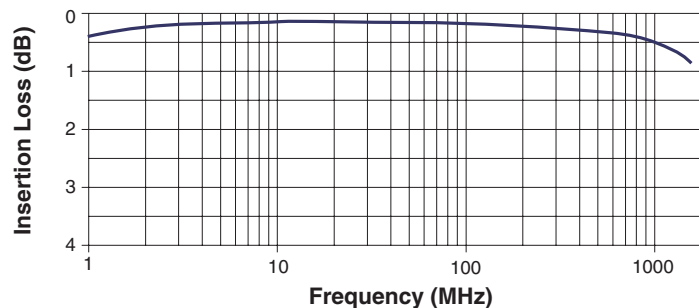
Application Notes

- A. Bandwidth specifications for **CX2072** are for a 75Ω system.
- B. Materials used in the products are UL94-V0 recognized. Products meet requirements of IEC 695-2-2 (Needle Flame Test).
- C. For additional impedance ratios and frequency ranges, please contact Applications Engineering.
- D. Pick and place operation: smooth upper surface of device allows automatic pick and place.

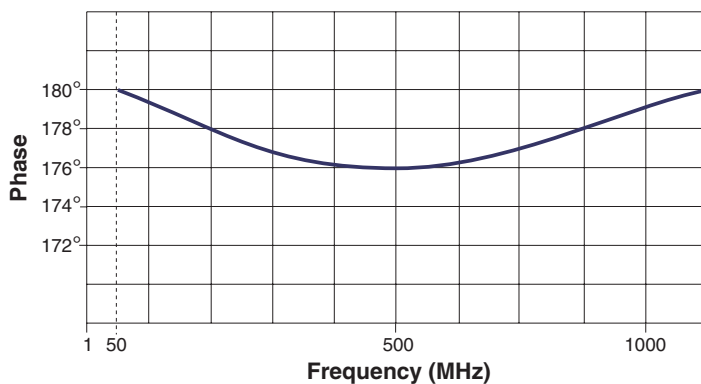
Notes from Tables

- 1. Impedance and turns ratios are specified primary:secondary.
- 2. These transformers are verified to operate from -40°C to +85°C. Contact Applications Engineering for performance data.

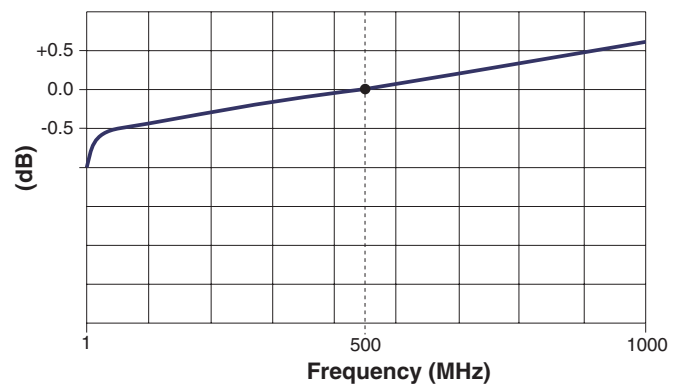
CX2072 - Typical Insertion Loss



CX2072 - Phase Unbalance



CX2072 - Amplitude Unbalance



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