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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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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

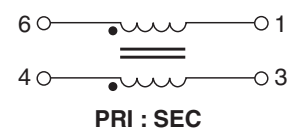
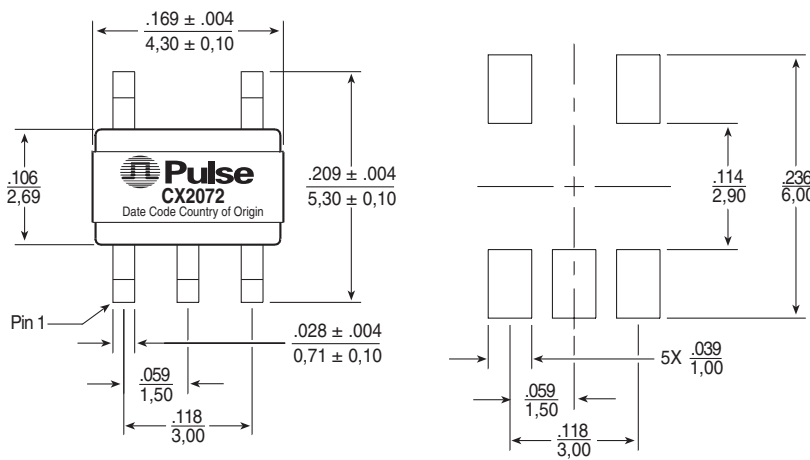
Part Number	Impedance Ratio ¹ Pri:Sec (±2%)	Insertion Loss			Return Loss		Phase Unbalance (10-1000 MHz)	Amplitude Unbalance (10-1000 MHz)
		(10-50 MHz)	(50-870 MHz)	(870-1000 MHz)	(10-50 MHz)	(50-100 MHz)		
CX2072	1:1	1.0 dB MAX	0.5 dB MAX	0.7 dB MAX	>40/20 dB TYP/MIN	>30/20 dB TYP/MIN	6 deg. MAX	1 dB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

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

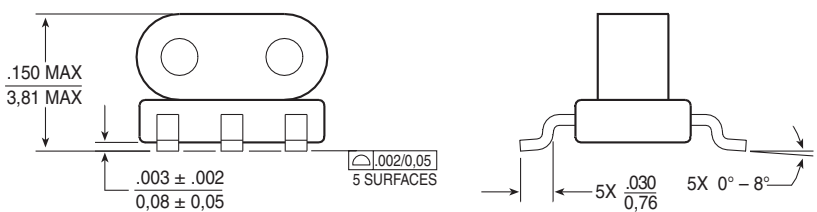
Mechanical

Schematic

CX2072



SUGGESTED PAD LAYOUT



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

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

RF TRANSFORMER

For Wideband RF Applications



Application Notes

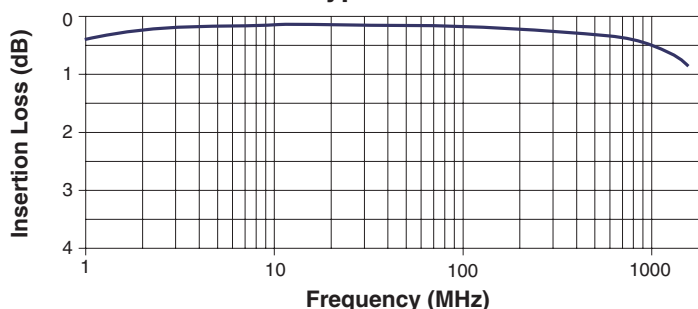
- A. Bandwidth specifications for **CX2072** are for a 75Ω system.
- B. Materials used in the products are UL94-V0 recognized. Products meet requirements of IEC 695-2-2 (Needle Flame Test).

- 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.

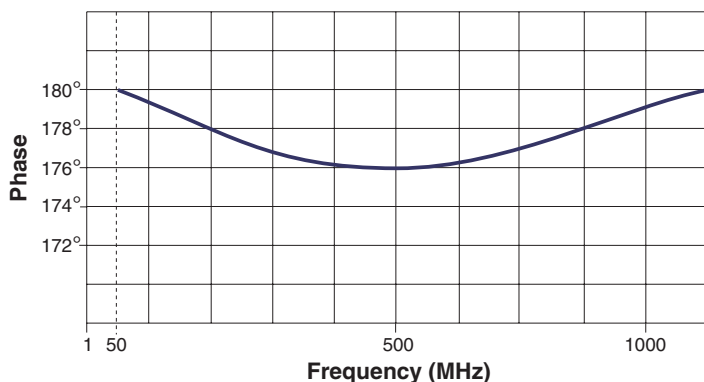
Notes from Tables

- 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.

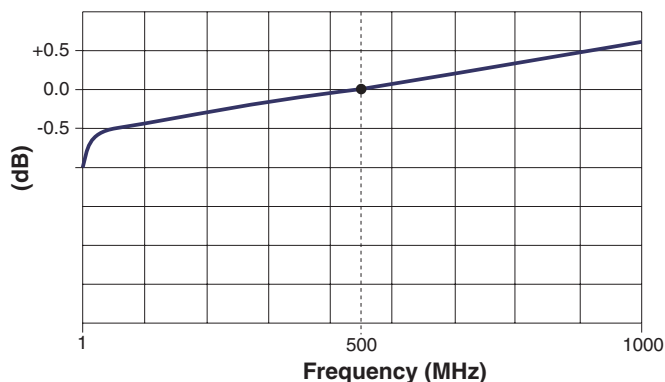
CX2072 - Typical Insertion Loss



CX2072 - Phase Unbalance



CX2072 - Amplitude Unbalance



For More Information :

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