






IMPEDANCE-MATCHING TRANSFORMER

For CATV Wideband Amplifiers



-  Miniature surface mount package
-  Excellent insertion loss
-  Provides impedance matching for 300Ω signal and 75Ω input to amplifier
-  2.0MHz to 1600MHz bandwidth
-  Useful for CATV receivers and other applications

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

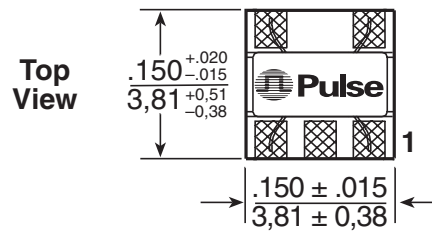
Part Number	Impedance Ratio Pri:Sec (±2%)	Turns Ratio Pri:Sec (±2%)	Bandwidth (MHz TYP)	Insertion Loss @ 78.5MHz	
				(dB MIN)	(dB MAX)
CX2155	4:1	1:1	2.0 to 1600	-0.7	-1.5

NOTE: Optional Tape & Reel packaging can be ordered by adding a "T" suffix to the part number (ex: CX2155T).

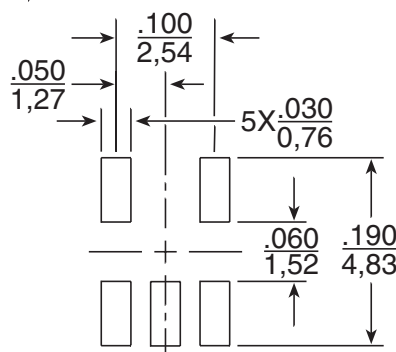
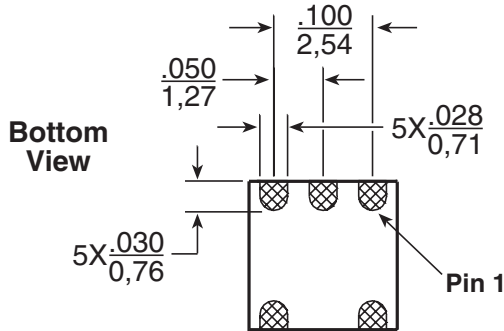
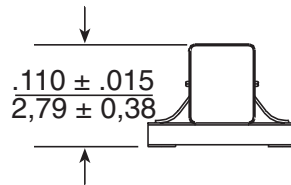
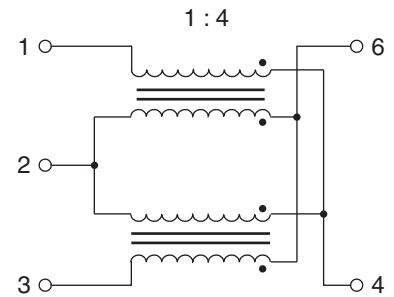
Mechanical

Schematic

CX2155



Dimensions: $\frac{\text{Inches}}{\text{mm}}$
 Unless otherwise specified,
 all tolerances are $\pm \frac{.010}{0,25}$



Tape & Reel 1000 /reel
 Tray 100 /tray
 Power Rating 30 mA MAX; 0.25 W MAX

SUGGESTED PAD LAYOUT

IMPEDANCE-MATCHING TRANSFORMER

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Application Notes

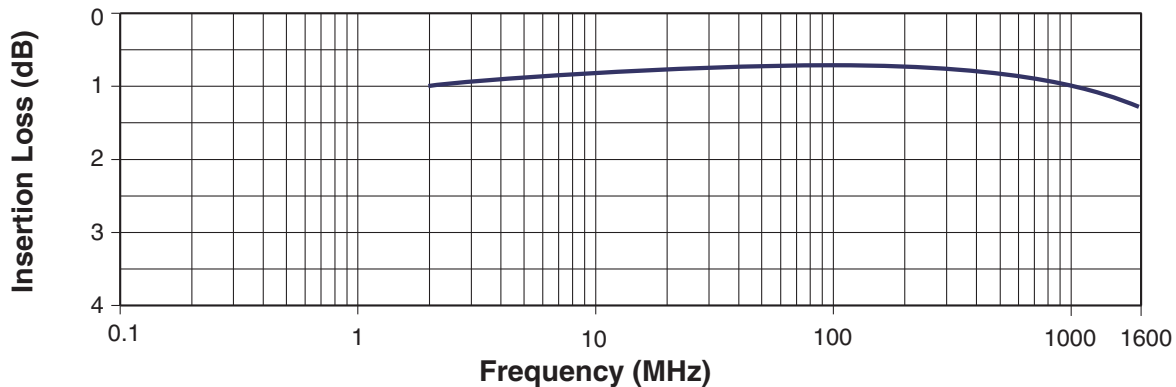
- A. Materials used in the products are UL94-V0 recognized. Products meet requirements of IEC 695-2-2 (Needle Flame Test).
- B. **CX2155** transformer configuration does not provide DC isolation between primary and secondary windings.

- C. For additional impedance ratios and frequency ranges, please contact Pulse Applications Engineering.
- D. Pick and place operation: smooth upper surface of device allows automatic pick and place.
- E. For availability of Lead-Free version of this product, please contact Pulse.

Notes from Tables

- 1. Impedance & turns ratios are specified primary:secondary. (CT=Center Tap).
- 2. Bandwidth is referenced to midband loss.
- 3. These transformers are verified to operate from -40°C to +85°C. Contact Pulse Applications Engineering for performance data.

CX2155 -- Typical Insertion Loss @ 25°C



For More Information :

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