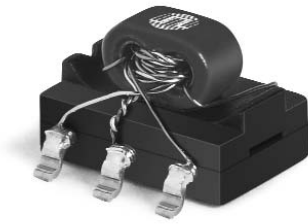


# RF TRANSFORMER

## For Wideband RF Applications



- For single-ended to balanced applications
- Value-oriented construction
- Small surface mount package
- Excellent insertion loss
- Various impedance ratios available

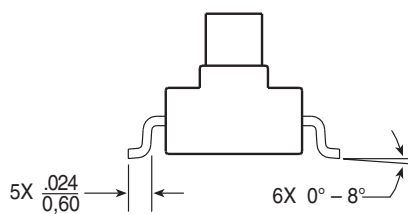
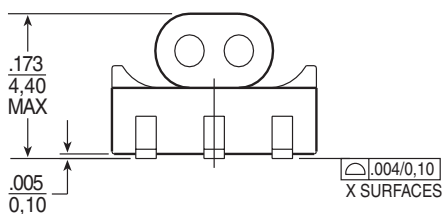
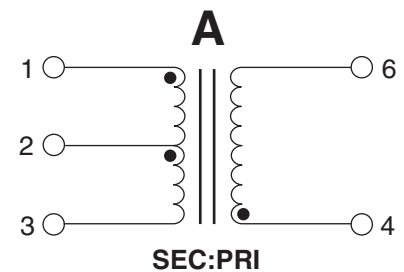
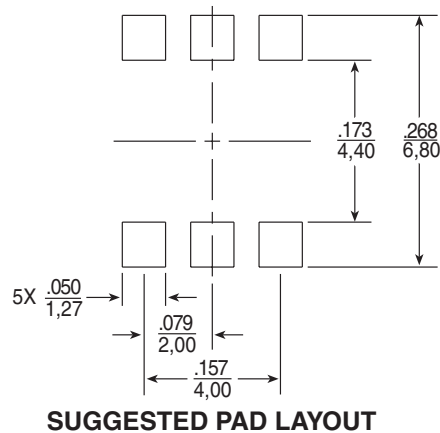
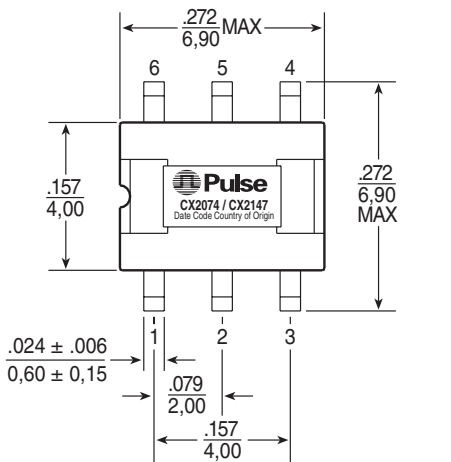
Electrical Specifications @ 25°C — Operating Temperature -40°C to +85°C					
Part Number	Impedance Ratio <sup>1</sup> Pri:Sec (±2%)	Turns Ratio <sup>1</sup> Pri:Sec (±2%)	Bandwidth <sup>2,3</sup> (MHz TYP)	Insertion Loss @ Midband (dB)	Schematic
CX2074	1:4CT	1:2CT	1-500	0.6	A
CX2147	1:1CT	1:1CT	5-200	0.3	A

NOTE: Optional Tape & Reel packaging can be ordered by adding a "T" suffix to the part number (ex: CX2074T).

### Mechanical

### Schematic

#### CX2074/CX2147



Weight ..... 0.15 grams  
Tape & Reel ..... 1000 /reel  
Tray ..... 170 /tray

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

# RF TRANSFORMER

## For Wideband RF Applications



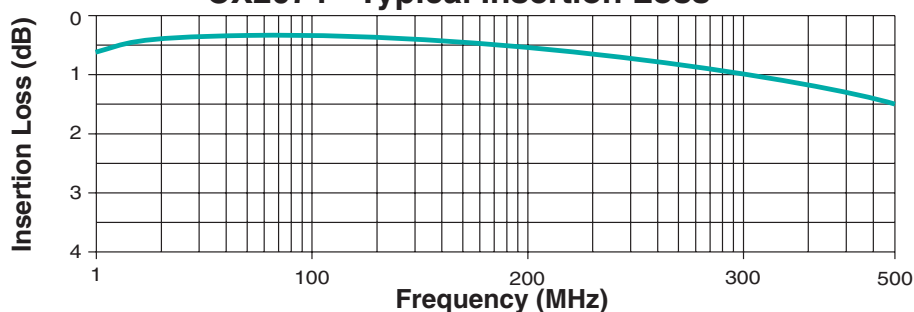
### Application Notes

- A. Bandwidth specifications are typical in a 75  $\Omega$  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.

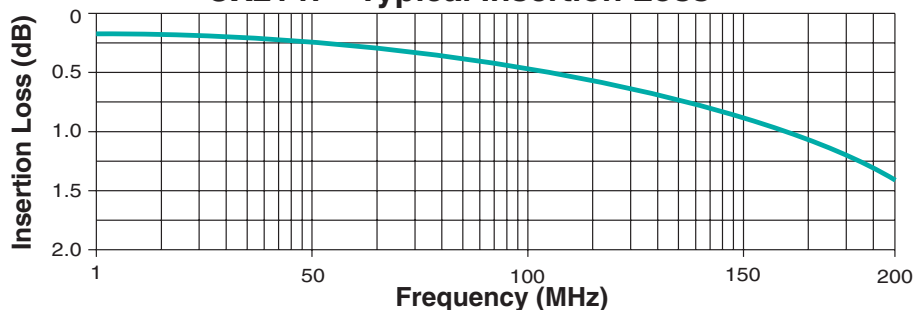
### Notes from Tables

- 1. Impedance and 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 Applications Engineering for performance data.

**CX2074 - Typical Insertion Loss**



**CX2147 - Typical Insertion Loss**



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