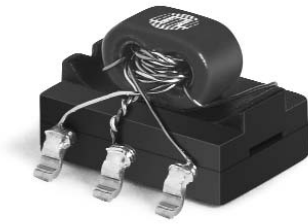


RF TRANSFORMER

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

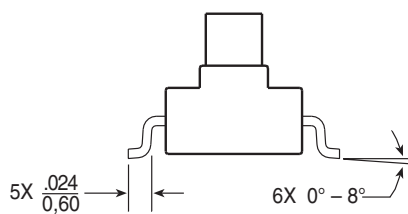
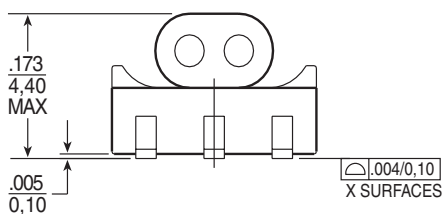
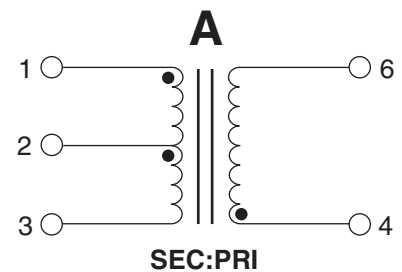
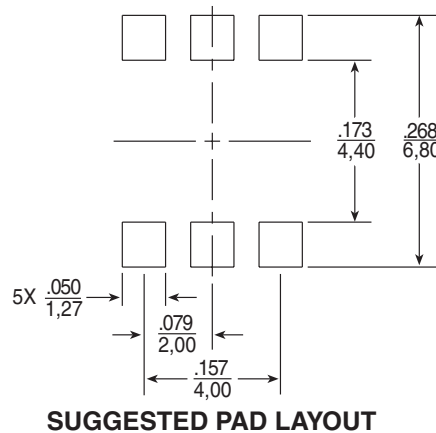
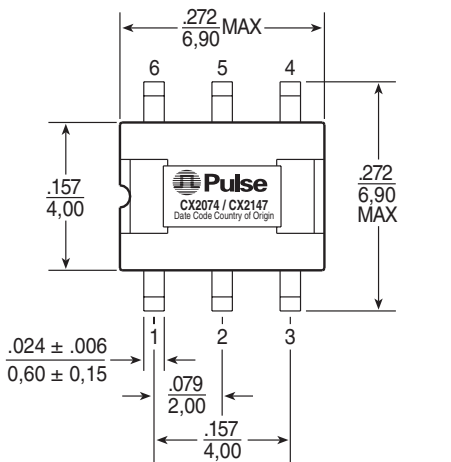
| Part Number | Impedance Ratio ¹ Pri:Sec (±2%) | Turns Ratio ¹ Pri:Sec (±2%) | Bandwidth ^{2,3} (MHz TYP) | Insertion Loss @ Midband (dB) | Schematic |
|-------------|--|--|---------------------------------------|-------------------------------------|-----------|
| CX2074 | 1:4CT | 1:2CT | 1-500 | 0.6 | 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



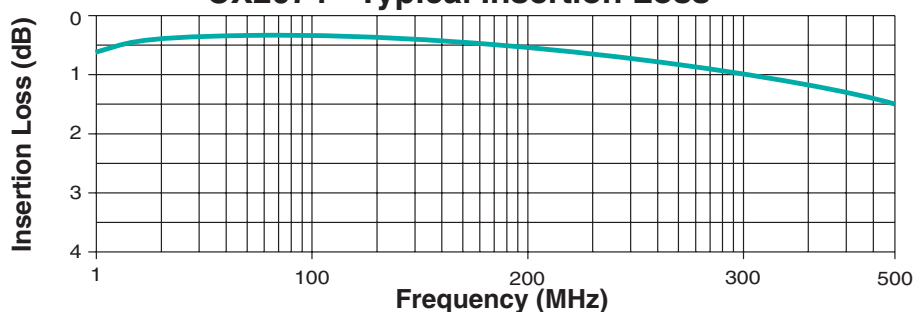
Application Notes

- A. Bandwidth specifications are typical in a 75 Ω 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.

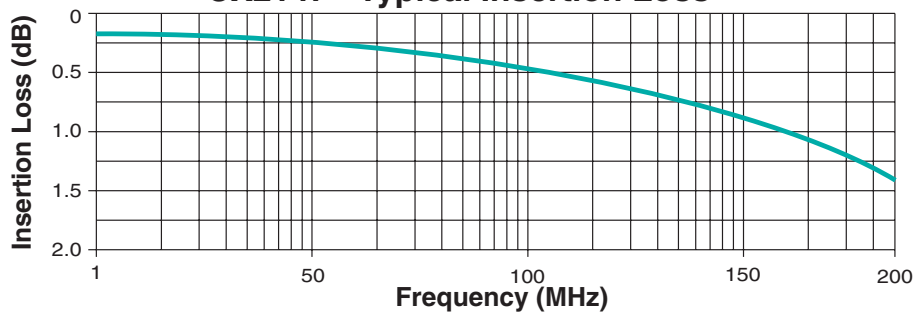
Notes from Tables

- 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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