

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

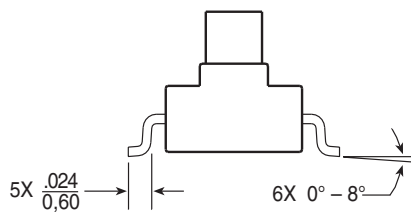
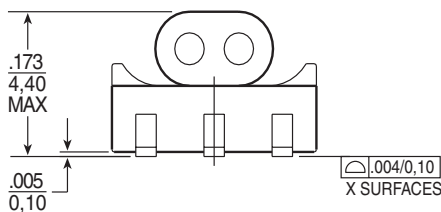
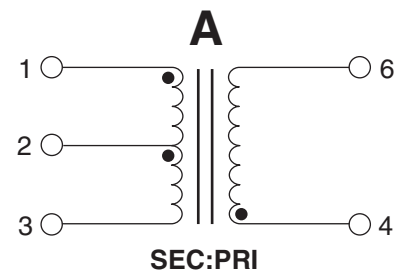
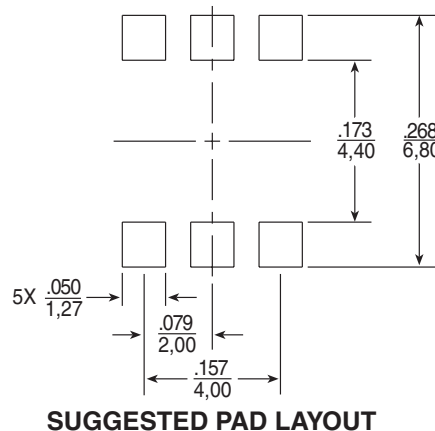
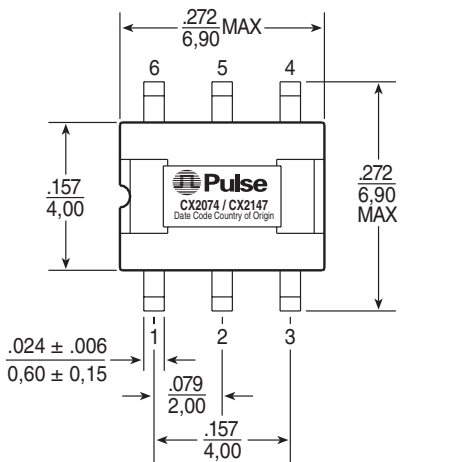
Part Number	Impedance Ratio ¹ Pri:Sec (±2%)	Turns Ratio ¹ Pri:Sec (±2%)	Bandwidth ^{2,3} (MHz TYP)	Insertion Loss @ Midband (dB)	Schematic
CX2074	1:4CT	1:2CT	1-500	0.6	A
CX2147	1:1CT	1:1CT	5-200	0.3	A

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: Inches
mm
Unless otherwise specified,
all tolerances are ± .010
0.25

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Application Notes

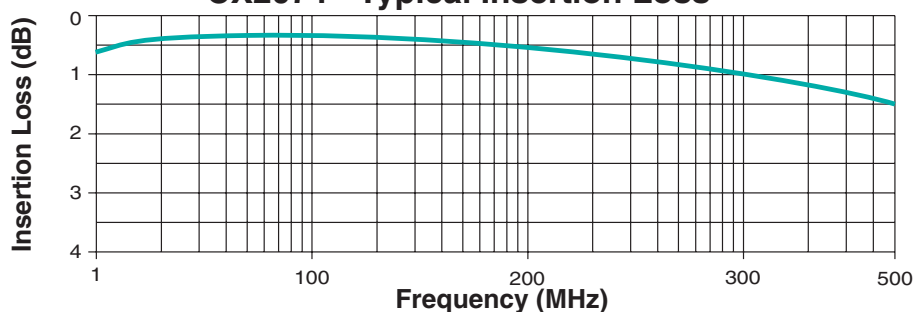
- A. Bandwidth specifications are typical in a 75 Ω system.
- B. Materials used in the products are UL94-V0 recognized.
Products meet requirements of IEC 695-2-2 (Needle Flame Test).

C. For additional impedance ratios and frequency ranges, please contact Applications Engineering.

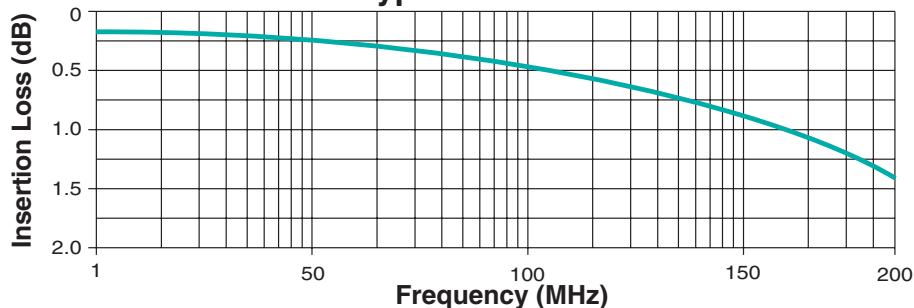
Notes from Tables

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



For More Information :

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12220 World Trade Drive San Diego, CA 92128 U.S.A. http://www.pulseeng.com	1 & 2 Huxley Road The Surrey Research Park Guildford, Surrey GU2 5RE United Kingdom	Zone Industrielle F-39270 Orgelet France	150 Kampong Ampat #07-01/02 KA Centre Singapore 368324	3F-4, No. 81, Sec. 1 HsinTai Wu Road Hsi-Chih, Taipei Hsien Taiwan, R.O.C.	9/F, Phase 2, Tai Sang Shatin Warehouse Centre 6 Wong Chuk Yeung Street Fotan, Shatin, Hong Kong	
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