



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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
- Small surface mount package
- Excellent insertion loss
- Various impedance ratios available

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

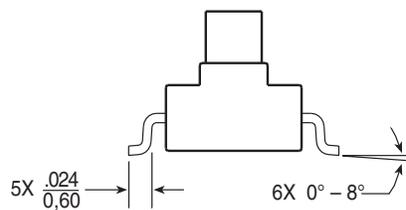
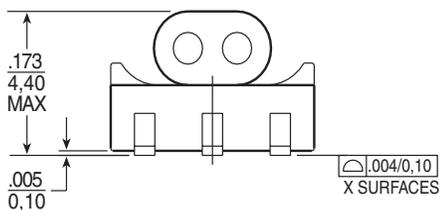
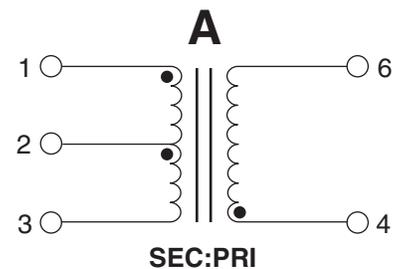
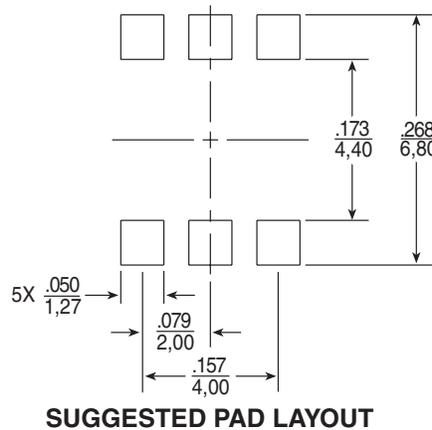
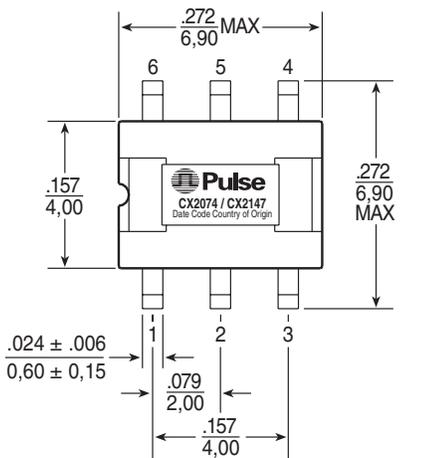
| Part Number | Impedance Ratio ¹ Pri:Sec (±2%) | Turns Ratio ¹ Pri:Sec (±2%) | Bandwidth ^{2,3} (MHz TYP) | Insertion Loss @ Midband (dB) | Schematic |
|-------------|--|--|---------------------------------------|-------------------------------------|-----------|
| CX2074 | 1:4CT | 1:2CT | 1-500 | 0.6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



Weight0.15 grams
 Tape & Reel1000 /reel
 Tray170 /tray

Dimensions: Inches
 mm
 Unless otherwise specified,
 all tolerances are ± .010
 0,25

RF TRANSFORMER

For Wideband RF Applications



Application Notes

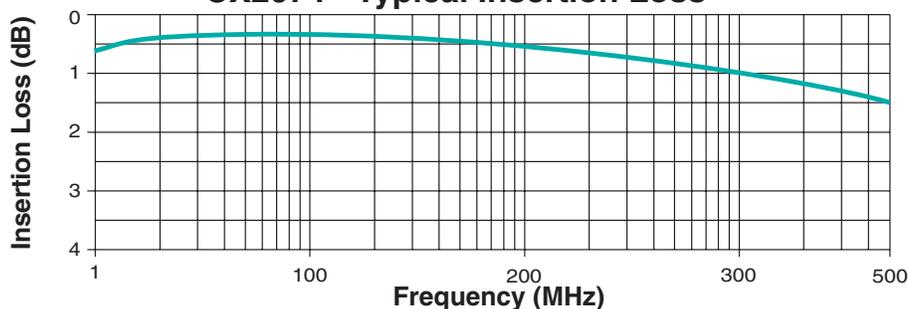
- A. Bandwidth specifications are typical in a 75 Ω system.
- B. Materials used in the products are UL94-V0 recognized. Products meet requirements of IEC 695-2-2 (Needle Flame Test).

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

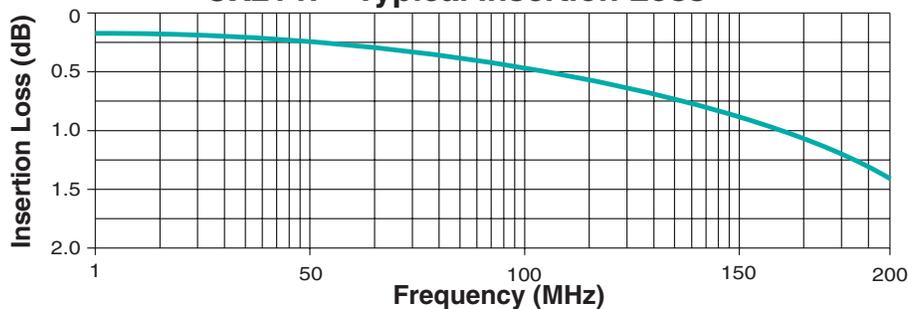
Notes from Tables

- 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



For More Information :

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