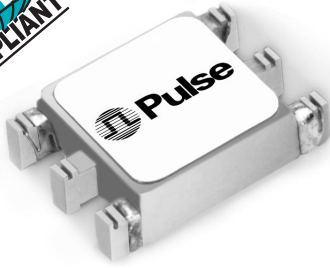


RF TRANSFORMER

Low Profile Transformer for Wideband RF Applications



- Miniature surface mount package
- Under .098" tall; meets PCMCIA requirements
- Excellent insertion loss
- RoHS peak reflow temperature rating: 245°C

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

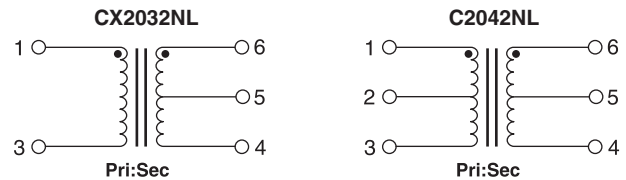
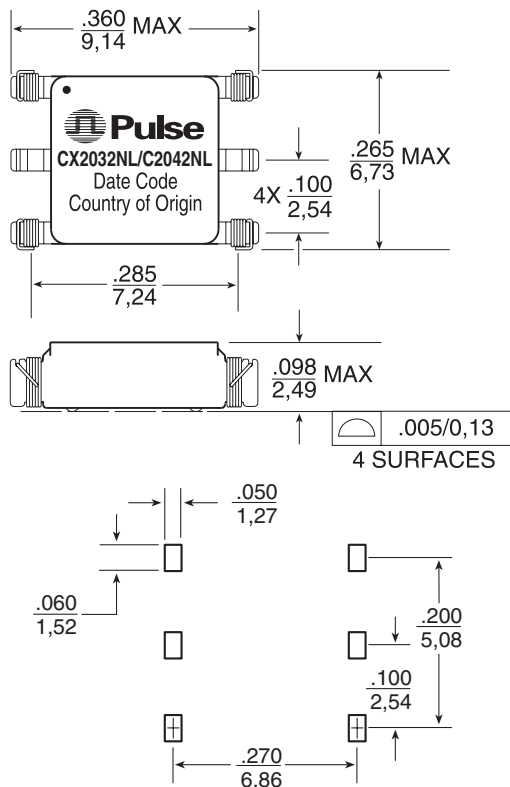
Part Number	Impedance Ratio ¹ Pri:Sec (±2%)	Turns Ratio ¹ Pri:Sec (±2%)	Bandwidth ^{2,3} (MHz TYP)				Insertion Loss @ Midband (dB)
			3 dB	2 dB	1 dB	0.5 dB	
CX2032NL	1:4CT	1:2CT	—	—	—	5-165	0.6
C2042NL	1CT:1CT	1CT:1CT	0.3-300	0.4-200	0.5-90	—	0.6 MAX

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

Mechanicals

Schematics

CX2032NL/C2042NL



Weight 17 grams
Tape & Reel 1500/tray
Tube60/tube
Dimensions: Inches
mm

Unless otherwise specified, all tolerances are ± .010 / 0,25

SUGGESTED PAD LAYOUT

USA 215 781 6400

Germany 49 7032 7806 0

Singapore 65 6287 8998

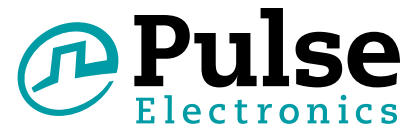
Shanghai 86 21 62787060

China 86 755 33966678

Taiwan 886 3 4356768

RF TRANSFORMER

Low Profile Transformer for Wideband RF Applications



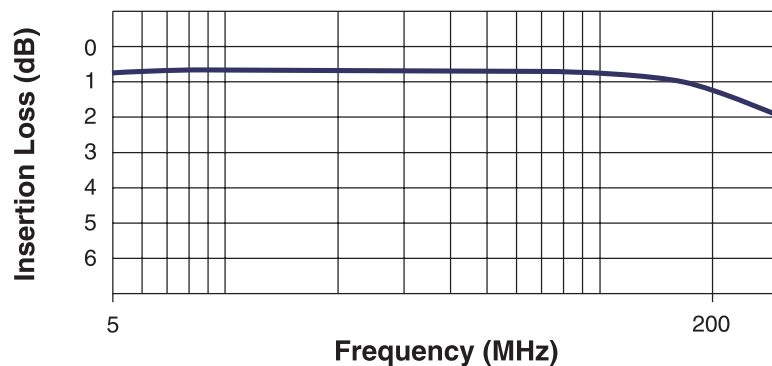
Application Notes

- 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.

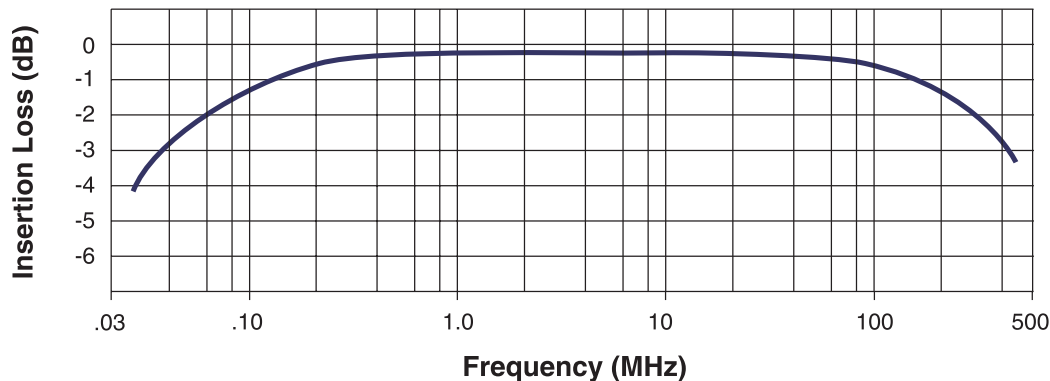
Notes from Tables

- 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.

CX2032NL - Typical Insertion Loss @ 25°C



C2042NL - Typical Insertion Loss @ 25°C



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