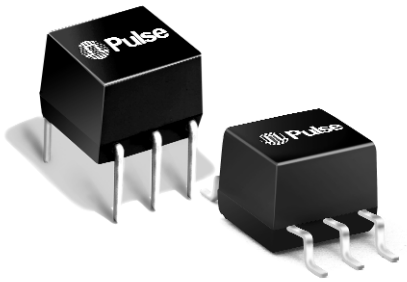
RF TRANSFORMERS
Surface Mount and Through Hole



- Operating bandwidth of .08 MHz to 400 Mhz
- Peak IR reflow temperature rating of 235°C
- Excellent insertion loss and return loss
- Various impedance ratios available

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

Part Number	Impedance Ratio [1] (Pri:Sec)	Turns Ratio [1] (Pri:Sec)	Bandwidth [2] (3 dB, MHz)	Schematic	Primary Pins
SURFACE MOUNT					
CX2050	1:1	1:1	.15-400	A	4-6
CX2052	1:1CT	1:1CT	.08-200	B	4-6
CX2054	1:4CT	1:2CT	.20-350	B	4-6
CX2059	1:9	1:3	.15-200	A	4-6
THROUGH HOLE					
CX2060	1:1	1:1	.15-400	A	4-6
CX2062	1:1CT	1:1CT	.08-200	B	4-6
CX2064	1:4CT	1:2CT	.20-350	B	4-6
CX2065	1:4CT	1:2CT	.02-250	B	4-6
CX2068	1:12.25	1:3.5	.20-150	C	1-3

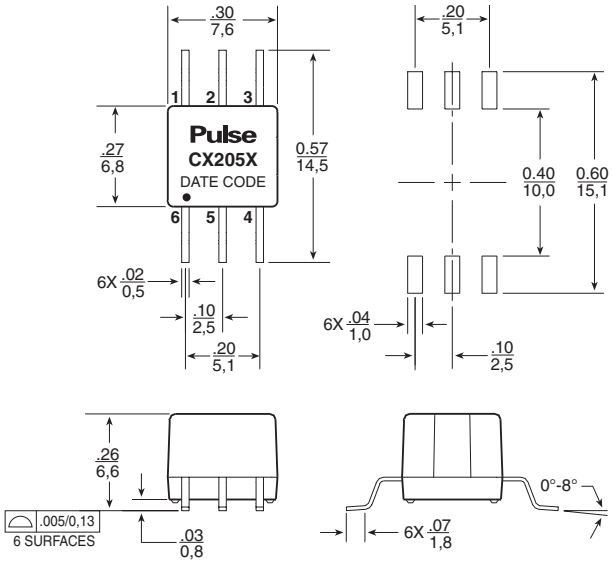
NOTE: Optional Tape & Reel packaging can be ordered by adding a "**T**" suffix to the surface mount part numbers (ex: CX2050**T**).
Bandwidth is referenced to midband loss.

Mechanicals

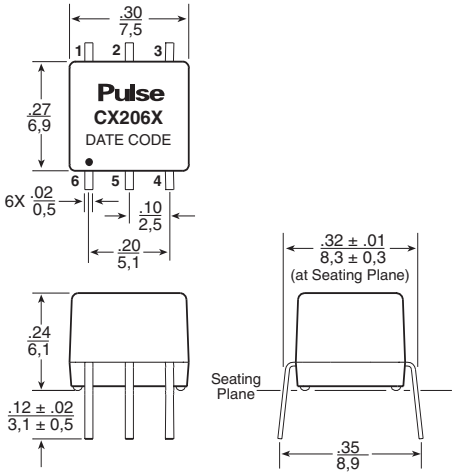
Schematics

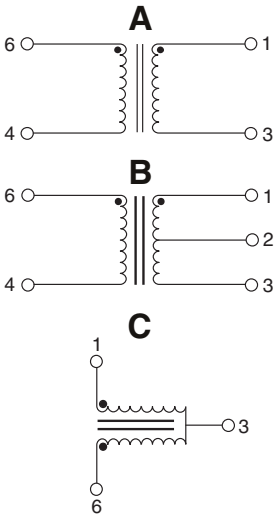
STRA

Surface Mount



Through Hole





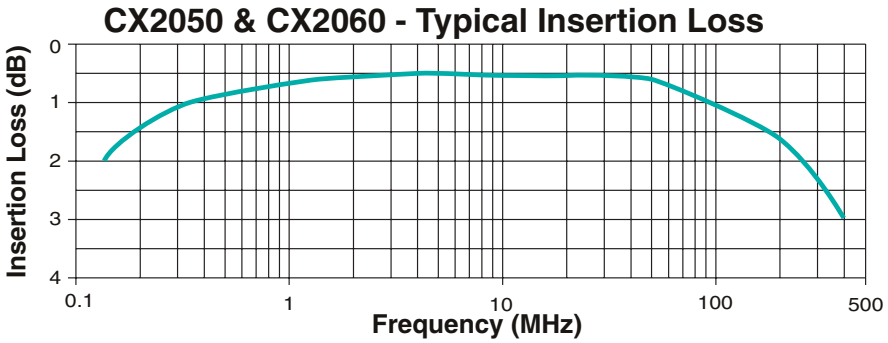
Dimensions: Inches / mm

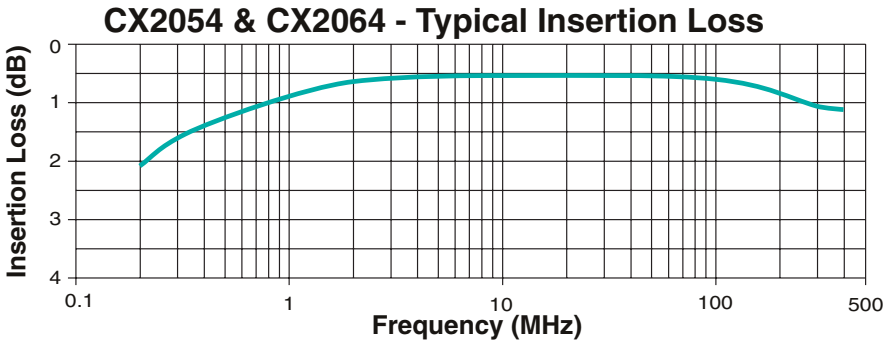
Unless otherwise specified, all tolerances are ± .010 / 0,25

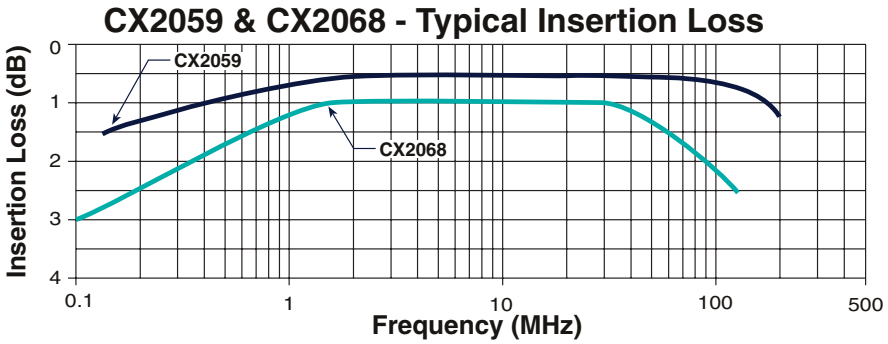
RF Power . . . . . .0.25 watts
Absolute DC Current . . . . . .30 mA
Weight . . . . . .0.6 grams
Tape & Reel 475/reel
Tube 65/tube

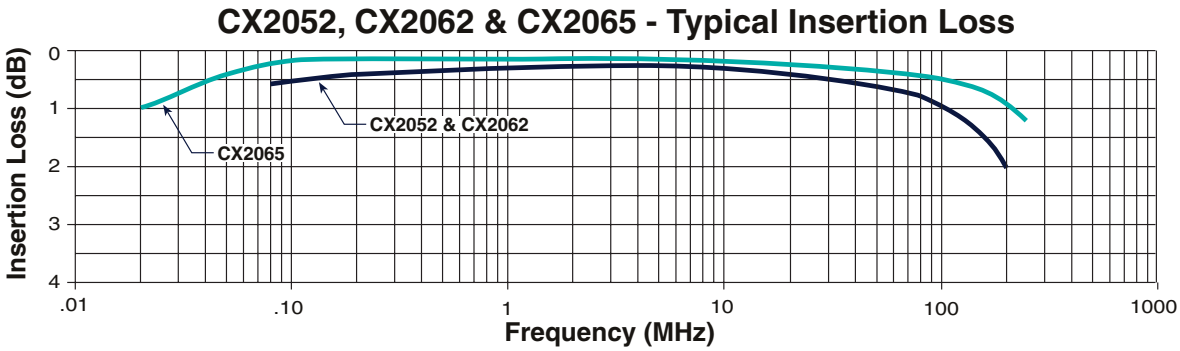
RF TRANSFORMERS
Surface Mount and Through Hole

Pulse
A TECHNITROL COMPANY









Application Notes

A. Bandwidth specifications are for a 75 Ω system.

B. Materials used in the products are UL94-V0 recognized. Products meet the requirements of IEC 695-2-2 (Needle Flame Test).

Notes from Tables

1. Impedance and turns ratios are specified primary:secondary. (CT=Center Tap).
2. Bandwidth is referenced to midband loss.
3. The insertion loss of these transformers is verified from -40°C to +85°C. Contact Pulse Applications Engineering for extended temperature performance data.
4. Return loss performance changes with change in temperature.

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