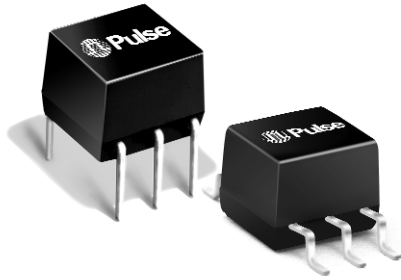






RF TRANSFORMERS

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

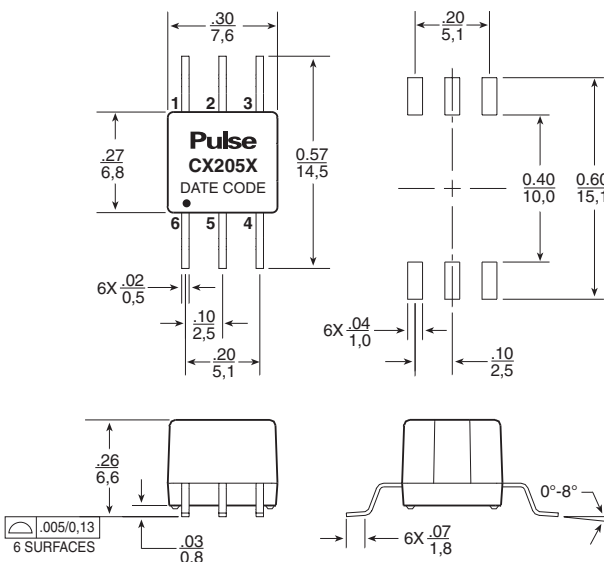
NOTE: Optional Tape & Reel packaging can be ordered by adding a "T" suffix to the surface mount part numbers (ex: CX2050T).
Bandwidth is referenced to midband loss.

Mechanicals

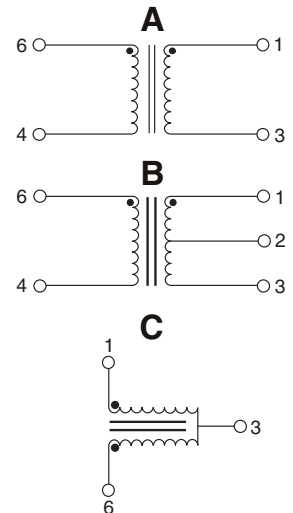
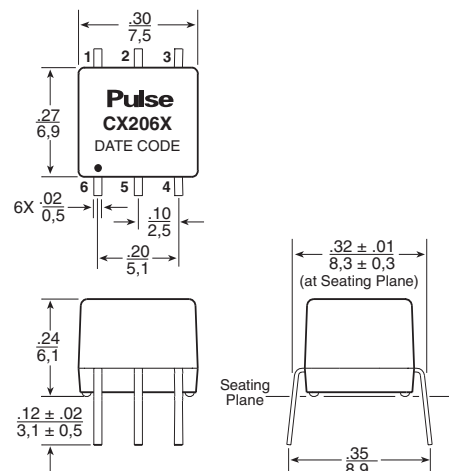
Schematics

STRA

Surface Mount



Through Hole



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

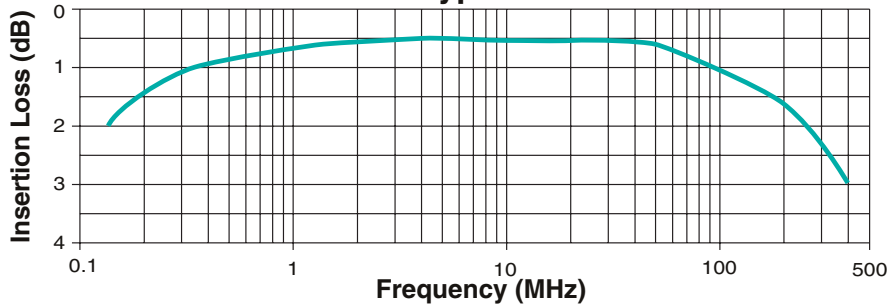
RF Power025 watts
Absolute DC Current30 mA
Weight0.6 grams
Tape & Reel475/reel
Tube65/tube

RF TRANSFORMERS

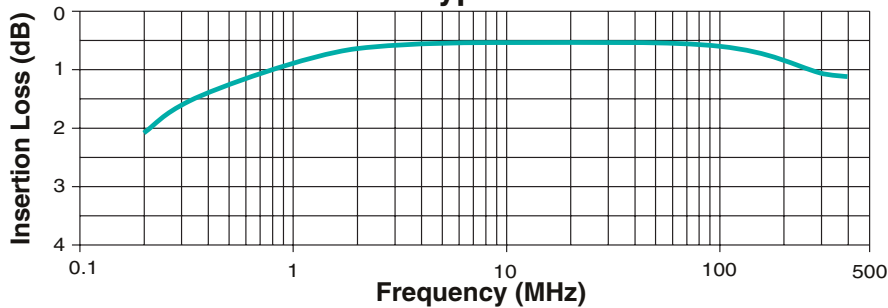
Surface Mount and Through Hole



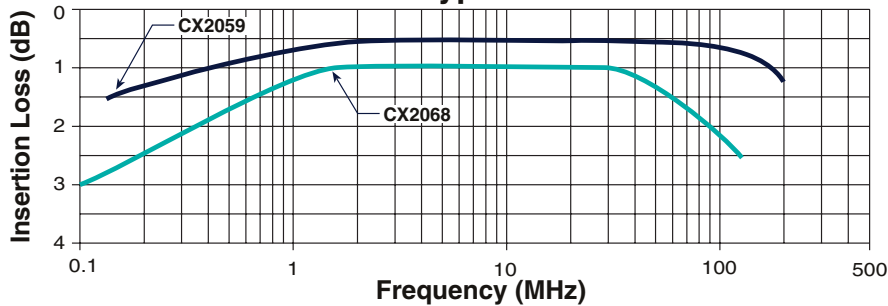
CX2050 & CX2060 - Typical Insertion Loss



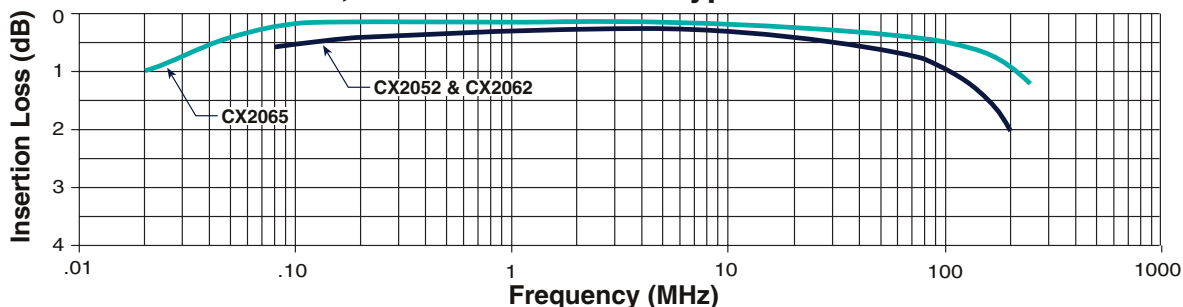
CX2054 & CX2064 - Typical Insertion Loss



CX2059 & CX2068 - Typical Insertion Loss



CX2052, CX2062 & CX2065 - Typical Insertion Loss



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.

For More Information :

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C206.A (10/03)