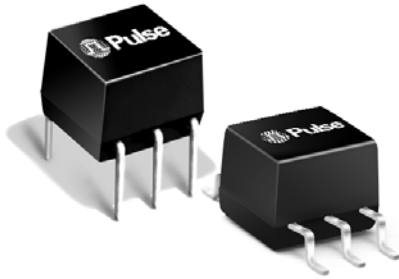


RF TRANSFORMERS

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

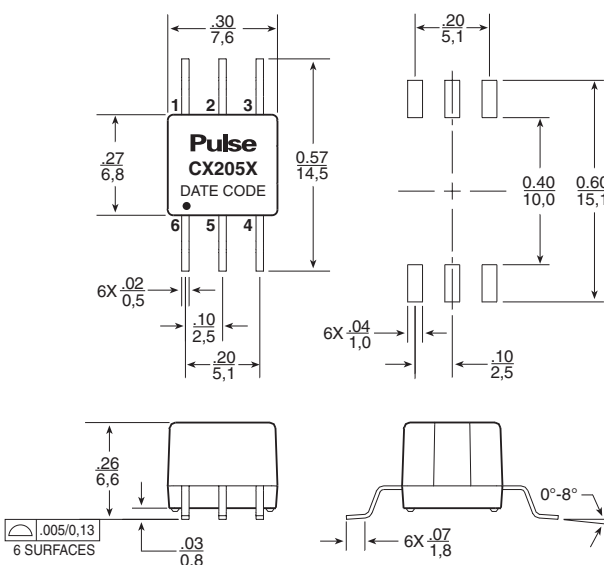
NOTE: Optional Tape & Reel packaging can be ordered by adding a "T" suffix to the surface mount part numbers (ex: CX2050T). Bandwidth is referenced to midband loss.

Mechanicals

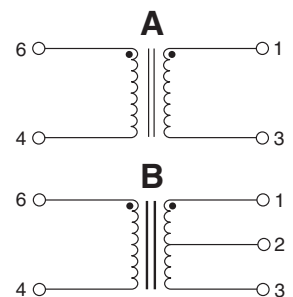
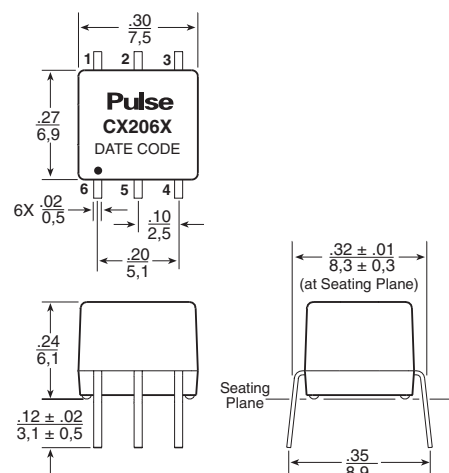
Schematics

STRA

Surface Mount



Through Hole



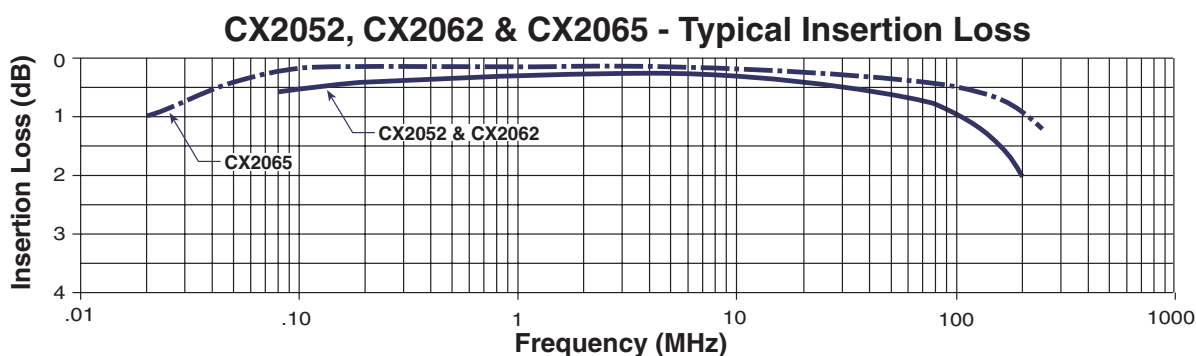
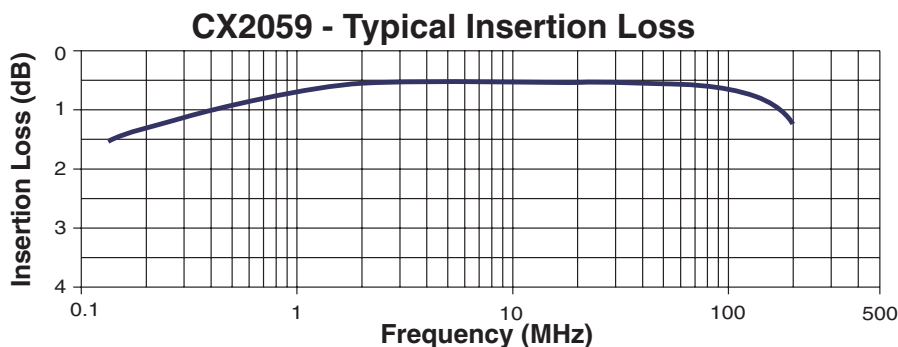
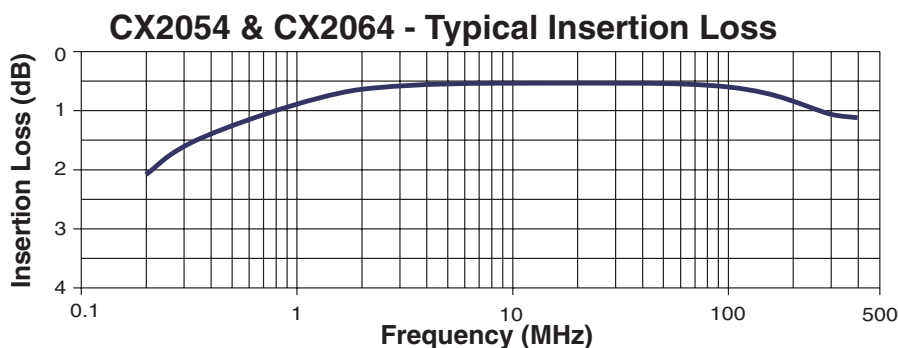
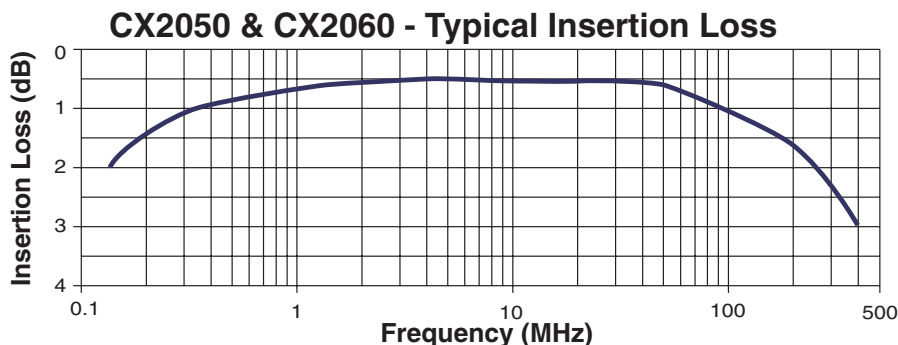
Dimensions: Inches
mm

Unless otherwise specified,
all tolerances are $\pm .010$
0,25

RF Power0.25 watts
Absolute DC Current30 mA
Weight0.6 grams
Tape & Reel475/reel
Tube65/tube

RF TRANSFORMERS

Surface Mount and Through Hole



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 :

UNITED STATES (Worldwide)

12220 World Trade Drive
San Diego, CA 92128
U.S.A.
<http://www.pulseeng.com>
TEL: 858 674 8100
FAX: 858 674 8262

UNITED KINGDOM (Northern Europe)

1 & 2 Huxley Road
The Surrey Research Park
Guildford, Surrey GU2 5RE
United Kingdom
TEL: 44 1483 401700
FAX: 44 1483 401701

FRANCE (Southern Europe)

Zone Industrielle
F-39270
Orgelet
France
TEL: 33 3 84 35 04 04
FAX: 33 3 84 25 46 41

SINGAPORE (Southern Asia)

150 Kampong Ampat
#07-01/02
KA Centre
Singapore 368324
TEL: 65 287 8998
FAX: 65 280 0080

TAIWAN, R.O.C. (Northern Asia)

3F-4, No. 81, Sec. 1
HsinTai Wu Road
Hsi-Chih, Taipei Hsien
Taiwan, R.O.C.
Tel: 886 2 2698 0228
FAX: 886 2 2698 0948

HONG KONG (Great China)

19/F, China United Plaza
1008 Tai Nan West Street
Cheung Sha Wan, Kowloon
Hong Kong, China
TEL: 852 2788 6588
FAX: 852 2776 1055

DISTRIBUTOR

Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be products and/or registered trademarks of their respective owners.