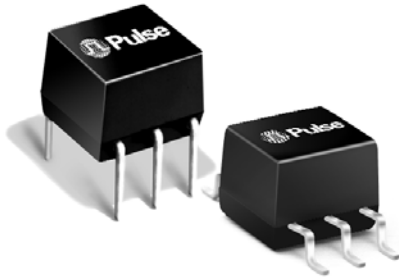


RF TRANSFORMERS

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

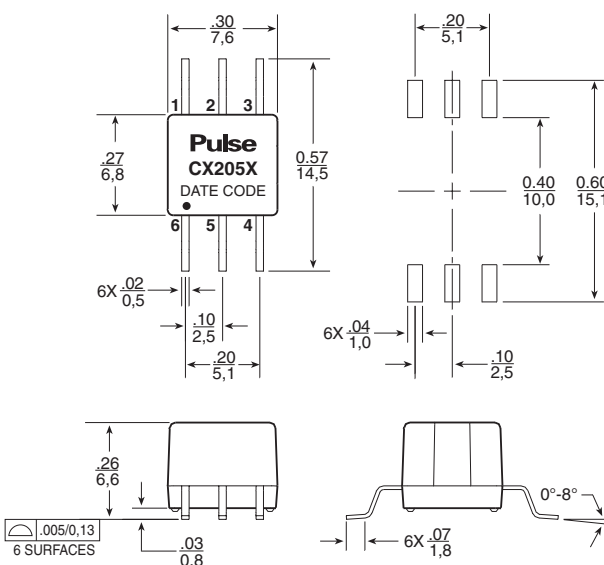
NOTE: Optional Tape & Reel packaging can be ordered by adding a "T" suffix to the surface mount part numbers (ex: CX2050T). Bandwidth is referenced to midband loss.

Mechanicals

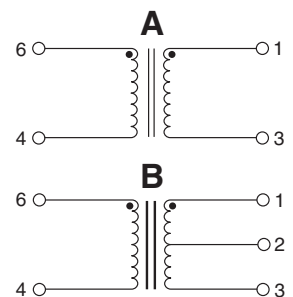
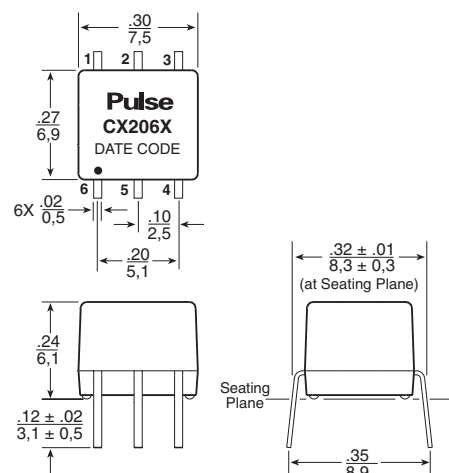
Schematics

STRA

Surface Mount



Through Hole



Dimensions: Inches
mm

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

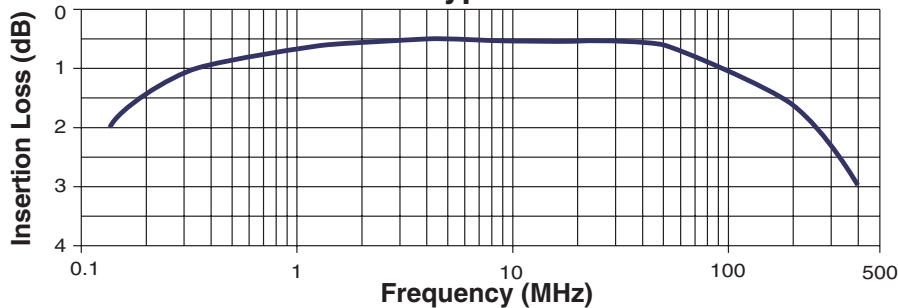
RF Power0.25 watts
Absolute DC Current30 mA
Weight0.6 grams
Tape & Reel475/reel
Tube65/tube

RF TRANSFORMERS

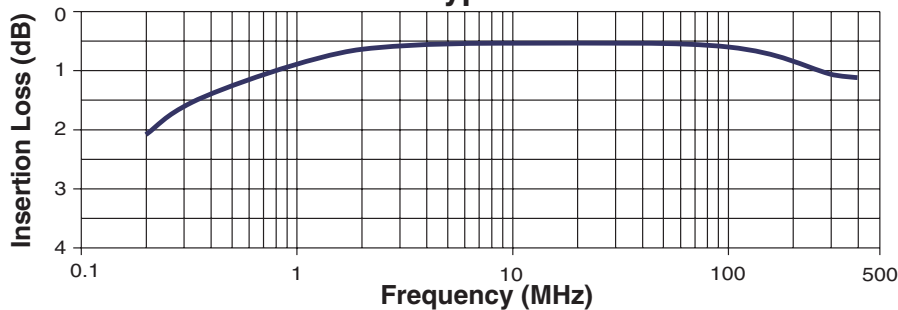
Surface Mount and Through Hole



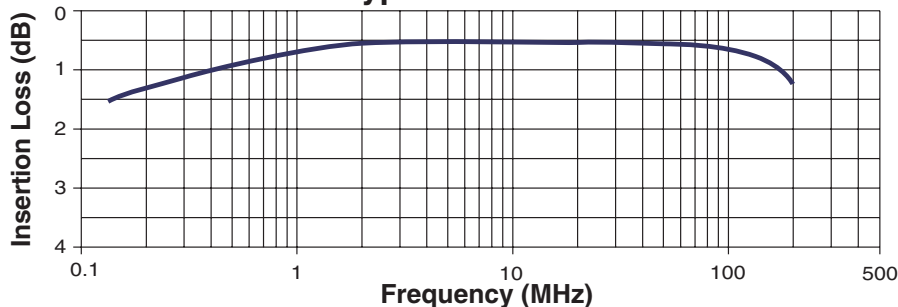
CX2050 & CX2060 - Typical Insertion Loss



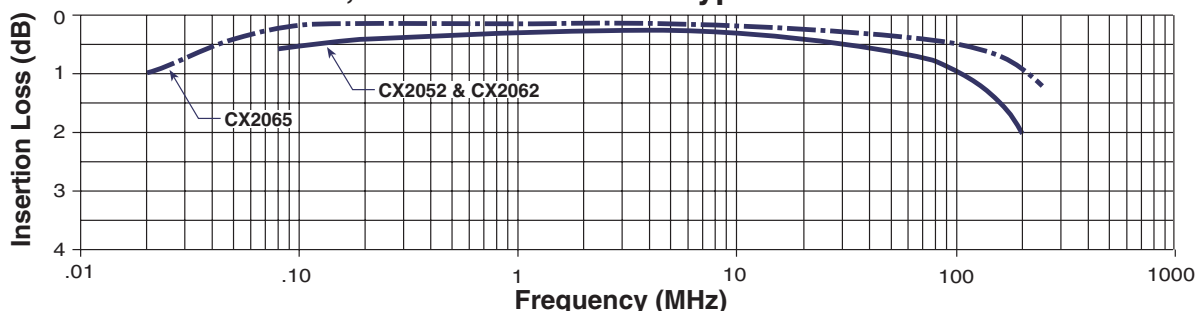
CX2054 & CX2064 - Typical Insertion Loss



CX2059 - Typical Insertion Loss



CX2052, CX2062 & CX2065 - Typical Insertion Loss



Application Notes

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

Notes from Tables

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

For More Information :

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12220 World Trade Drive San Diego, CA 92128 U.S.A. http://www.pulseeng.com TEL: 858 674 8100 FAX: 858 674 8262	1 & 2 Huxley Road The Surrey Research Park Guildford, Surrey GU2 5RE United Kingdom TEL: 44 1483 401700 FAX: 44 1483 401701	Zone Industrielle F-39270 Orgelet France TEL: 33 3 84 35 04 04 FAX: 33 3 84 25 46 41	150 Kampong Ampat #07-01/02 KA Centre Singapore 368324 TEL: 65 287 8998 FAX: 65 280 0080	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	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	

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