

DIRECTIONAL COUPLER

For RF Applications in Cable TV Networking Equipment



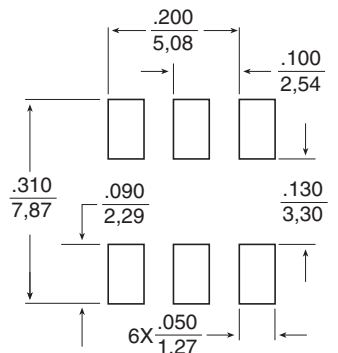
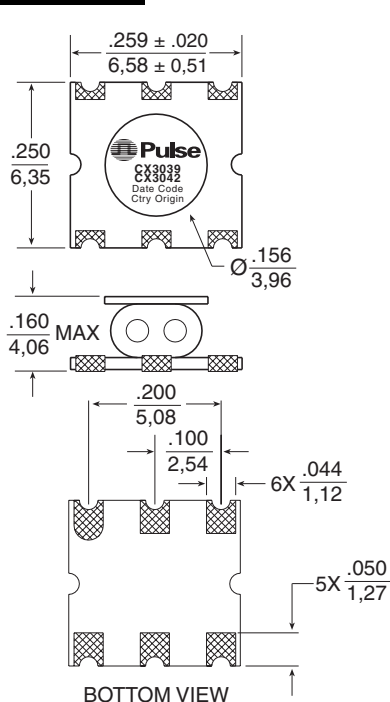
- Value-oriented construction
- Operating bandwidth of 5MHz to 1000MHz
- Operating temperature: -40°C to +85°C
- 235°C peak IR reflow temperature rating

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

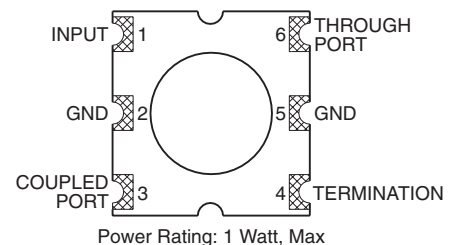
Part Number	Frequency (MHz)	Z (Ω)	Coupling		Mainline Loss		Isolation (dB MIN)	Return Loss	
			Nom. (dB)	Flatness (dB MAX)	TYP (dB)	MAX (dB)		TYP (dB)	MIN (dB)
CX3039	5 - 1000	75	19.7 ±0.5	±0.6	0.5	1.3	18	30	20
CX3042	5 - 1000	75	6.0 ±0.75	±0.5	1.76	2.8	18	24	14

Mechanical

CX3039/CX3042



SUGGESTED PAD LAYOUT



Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified, all tolerances are $\pm \frac{.005}{.13}$

Weight 0.35 grams

Tape & Reel 850/reel

Tray 60/tray

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 6287 8998
FAX: 65 6280 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 (China/Hong Kong)

9/F, Phase 2, Tai Sang
Shatin Warehouse Centre
6 Wong Chuk Yeung Street
Fotan, Shatin, Hong Kong
TEL: 852 2788 6588
FAX: 852 2776 1055

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