

DIRECTIONAL COUPLER

For RF Applications in Cable TV Networking Equipment



- ⊕ 16dB coupling level
- ⊕ Value-oriented construction
- ⊕ Operating bandwidth of 5MHz to 1000MHz
- ⊕ Operating temperature: -40°C to +85°C

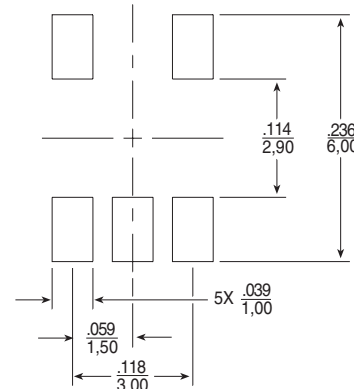
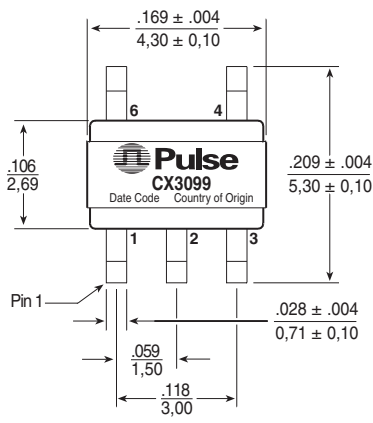
Electrical Specifications @ 25°C — Operating Temperature -40°C to +85°C

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)
CX3099	10 - 1000	50	16.0 ±2.5	±0.4	0.8	2.0	20	20	10

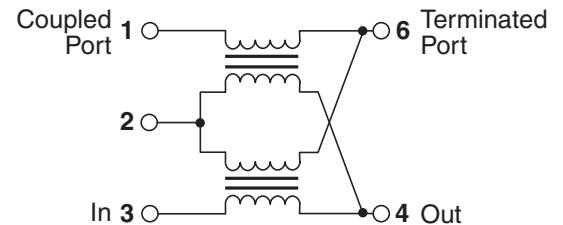
Mechanical

Schematic

CX3099



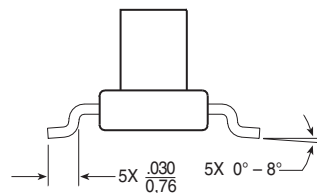
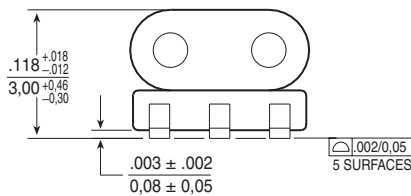
SUGGESTED PAD LAYOUT



Weight0.43 grams
 Tape & Reel2200 /reel
 Tray100 /tray

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

Unless otherwise specified, all tolerances are $\pm \frac{.005}{0,13}$



For More Information :

UNITED STATES (Worldwide)	UNITED KINGDOM (Northern Europe)	FRANCE (Southern Europe)	SINGAPORE (Southern Asia)	TAIWAN, R.O.C. (Northern Asia)	HONG KONG (China/Hong Kong)	DISTRIBUTOR
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 6287 8998 FAX: 65 6280 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	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	

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 trademarks or registered trademarks of their respective owners.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Pulse:

[CX3099T](#) [CX3099](#) [CX3099NL](#)