

RF SPLITTER/COMBINER

For RF Return Path Applications in Cable TV Products and Distribution Equipment : 2-Way; 0°



- ⊕ Operating bandwidth: 5 MHz to 250 MHz
- ⊕ Excellent return loss
- ⊕ High isolation
- ⊕ Extended temperature: -40°C to +85°C
- ⊕ 235°C peak solder reflow temperature rating
- ⊕ Designed for:
 - CATV Distribution Amplifiers
 - Set-Top Boxes
 - Cable Modems

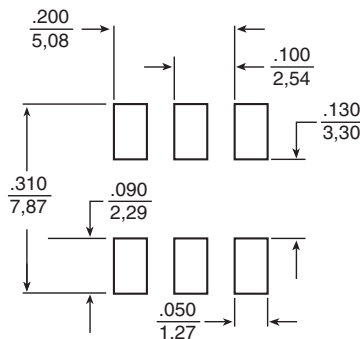
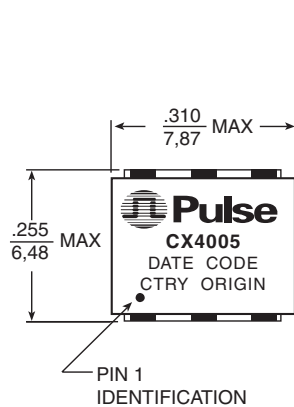
Electrical Specifications @ 25°C — Operating Temperature -40°C to +85°C

Part Number	Frequency (MHz)	Z (Ω)	Isolation (dB TYP/MIN)	Return Loss		Mainline Loss		Phase Unbalance (deg MAX)	Amplitude Unbalance (dB MAX)
				INPUT (dB TYP/MAX)	OUTPUT (dB TYP/MAX)	>3dB (dB TYP/MAX)	Flatness (dB MAX)		
CX4005	5 - 250	75	>24/22	>27/25	>24/20	<0.45/0.75	±0.25	1°	0.30

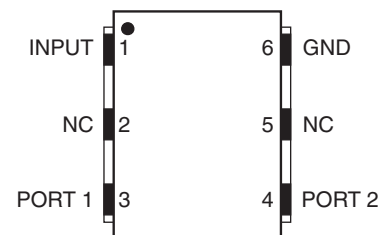
NOTE: CX4005 has an internal terminating resistor. For parts without internal terminating resistor use part CX4005A.

Mechanical

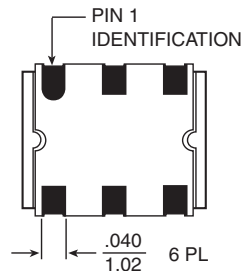
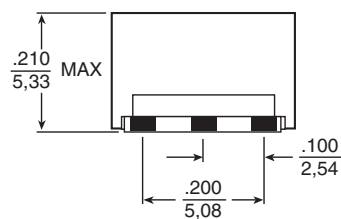
CX4005



SUGGESTED PAD LAYOUT



Power Rating: 1 Watt, MAX



BOTTOM VIEW

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

Unless otherwise specified, all tolerances are $\pm \frac{.005}{0.13}$

Weight0.35 grams

Tape & Reel850/reel

Tube65/tube

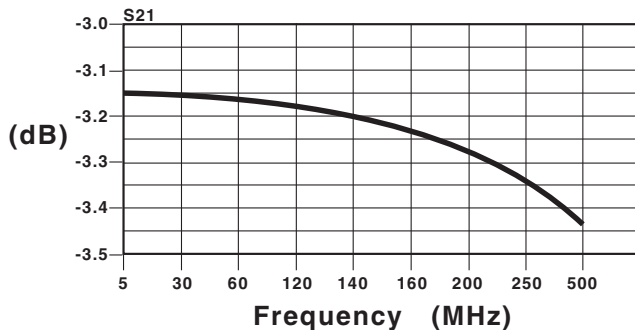
RF SPLITTER/COMBINER

For RF Return Path Applications in Cable TV
Products and Distribution Equipment : 2-Way; 0°

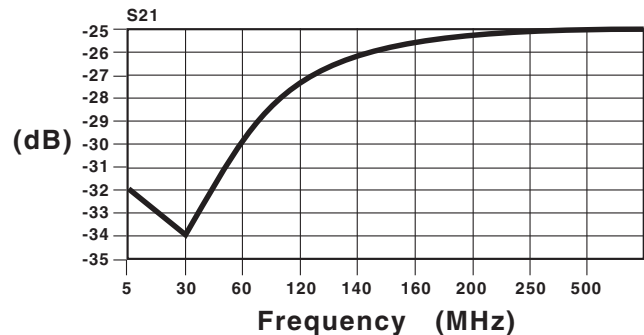


Typical Performance @ 25°C CX4005

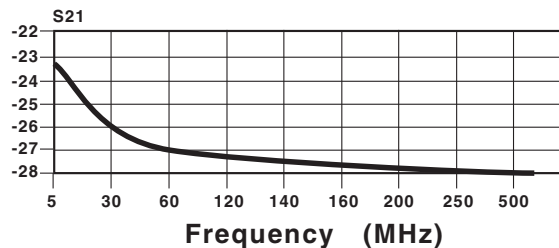
INSERTION LOSS



ISOLATION



OUTPUT RETURN LOSS



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: 65 287 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	

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.