

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

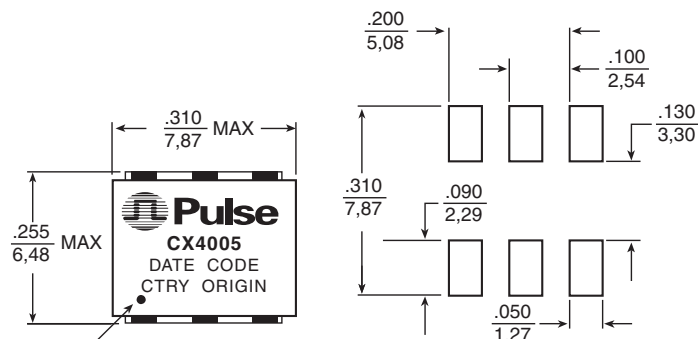
Electrical Specifications @ 25°C — Operating Temperature -40°C to +85°C

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

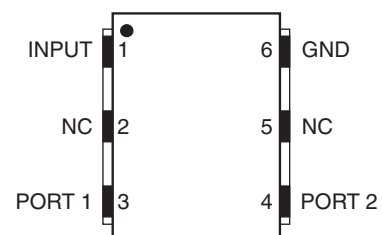
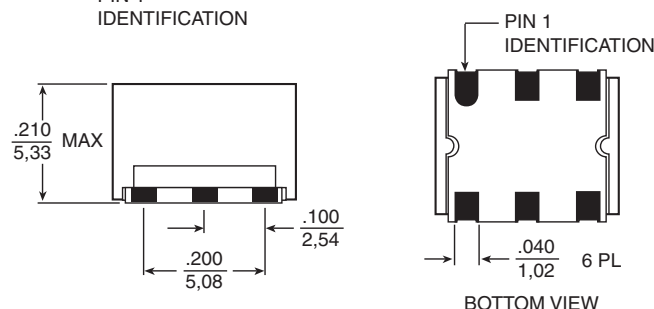
NOTE: CX4005 has an internal terminating resistor. For parts without internal terminating resistor use part CX4005A.

Mechanical

CX4005



SUGGESTED PAD LAYOUT



Power Rating: 1 Watt, MAX

Dimensions: $\frac{\text{Inches}}{\text{mm}}$
Unless otherwise specified, all tolerances are $\pm \frac{.005}{0.13}$

Weight035 grams
Tape & Reel850/reel
Tube65/tube

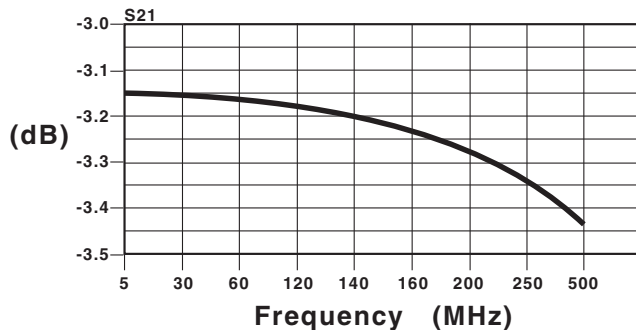
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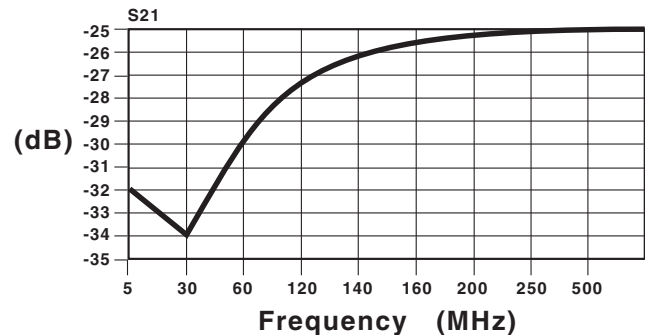


Typical Performance @ 25°C CX4005

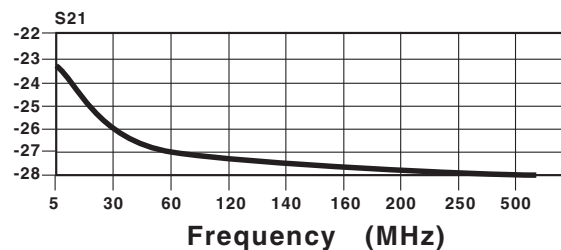
INSERTION LOSS



ISOLATION



OUTPUT RETURN LOSS



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