

# RF SPLITTER/COMBINER

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



- ⊕ Operating bandwidth: 5 MHz to 1000 MHz
- ⊕ Ideal for cable distribution equipment and set top box applications
- ⊕ High Isolation
- ⊕ Excellent VSWR
- ⊕ 235°C peak IR reflow temperature rating

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

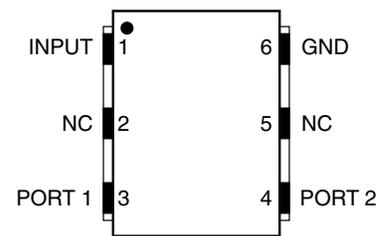
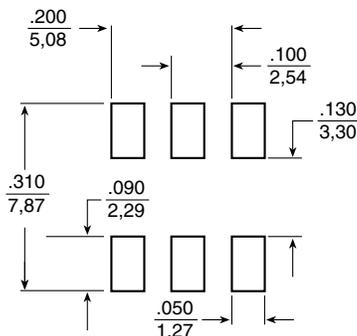
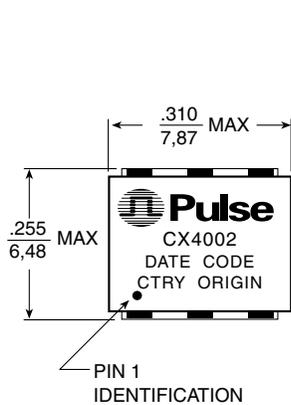
Part Number	Frequency (MHz)	Z (Ω)	Isolation		VSWR (5-1000 MHz)		Insertion Loss (Above 3dB)	
			5-400 MHz (dB TYP/MIN)	400-1000 MHz (dB TYP/MIN)	INPUT (TYP/MAX)	OUTPUT (TYP/MAX)	5-400 MHz (dB TYP/MAX)	400-1000 MHz (dB TYP/MAX)
CX4002	5 - 1000	75	30/22	21/17	1.1:1/1.3:1	1.1:1/1.3:1	0.5/0.8	0.8/1.6

### Additional Specifications

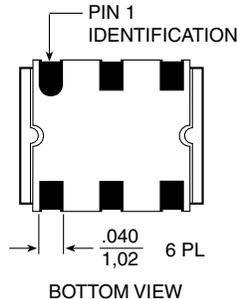
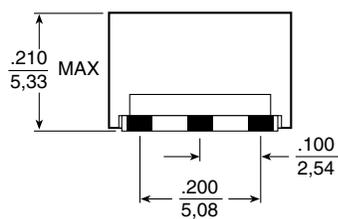
Part Number	Phase Unbalance		Amplitude Unbalance	
	5-400 MHz (deg MAX)	400-1000 MHz (deg MAX)	5-400 MHz (dB MAX)	400-1000 MHz (dB MAX)
CX4002	2	4	0.3	0.6

## Mechanical

### CX4002



Power Rating: 1 Watt, MAX



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

Weight ..... .035 grams  
Tape & Reel ..... .850/reel  
Tube ..... .65/tube

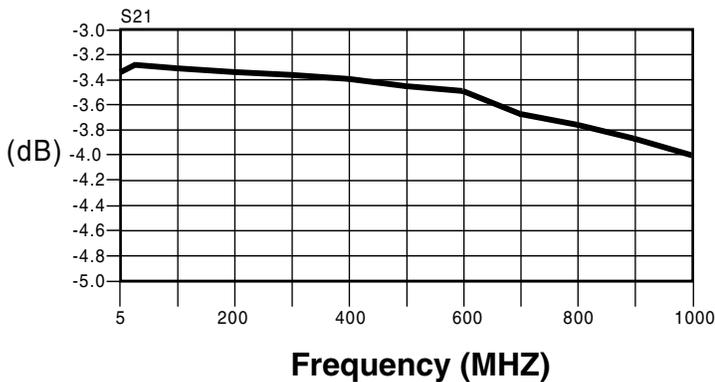
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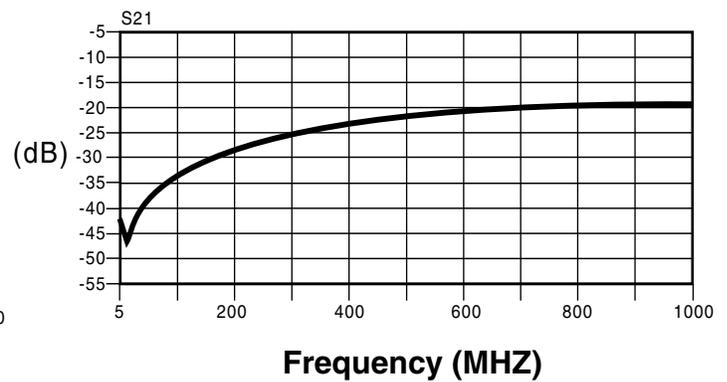


## Typical Performance @ 25°C

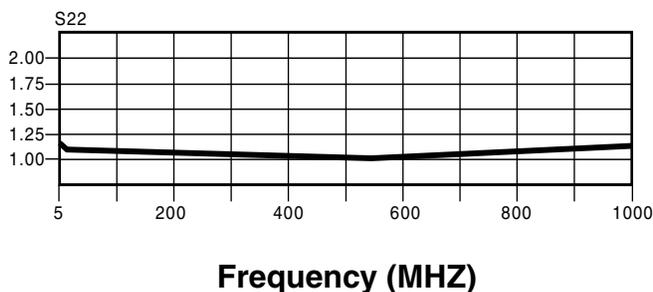
### INSERTION LOSS



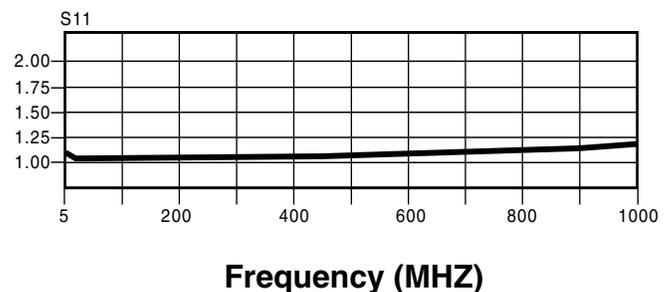
### ISOLATION



### OUTPUT VSWR



### INPUT VSWR



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