

RF SPLITTER/COMBINER

High Isolation for Cable Media Products and Distribution Equipment : 2-Way; 0°



- ⦿ High isolation splitter
- ⦿ Operating bandwidth: 5 MHz to 1000 MHz
 - Optimized for 40 to 1000 MHz range
- ⦿ Excellent amplitude balance
- ⦿ Ideal for cable distribution equipment and set top box applications
- ⦿ 235°C peak IR reflow temperature rating

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

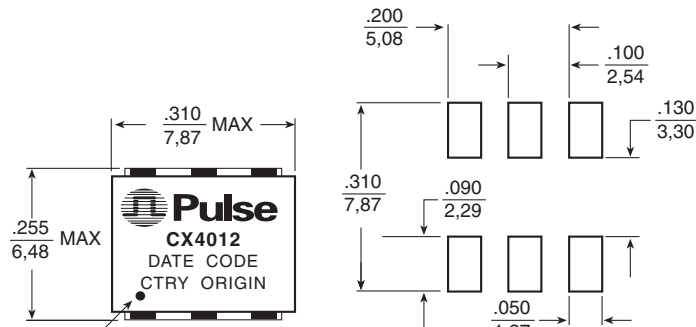
Part Number	Frequency (MHz)	Z (Ω)	Isolation			Return Loss		
			5-40 MHz (dB TYP/MIN)	40-600 MHz (dB TYP/MIN)	600-1000 MHz (dB TYP/MIN)	5-40 MHz (dB TYP/MIN)	40-600 MHz (dB TYP/MIN)	600-1000 MHz (dB TYP/MIN)
CX4012	5 - 1000	75	20/17.5	27/23	27/24	16/12.5	21/18.5	19/18

Additional Specifications

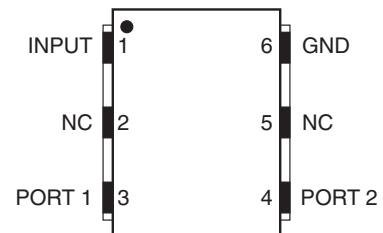
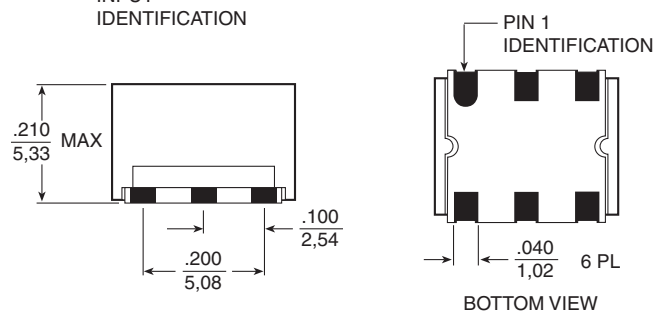
Part Number	Insertion Loss (Above 3dB)				Amplitude Unbalance	
	5-40 MHz (dB TYP/MAX)	40-600 MHz (dB TYP/MAX)	600-870 MHz (dB TYP/MAX)	870-1000 MHz (dB TYP/MAX)	5-40 MHz (TYP/MAX)	40-1000 MHz (TYP/MAX)
CX4012	0.4/0.8	0.4/0.6	0.65/0.85	1.0/1.2	0.3/0.4	0.2/0.3

Mechanical

CX4012



SUGGESTED PAD LAYOUT



Power Rating: 1 Watt, MAX

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

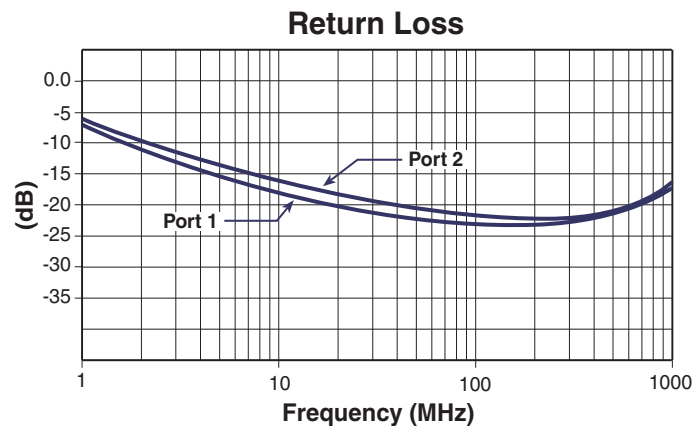
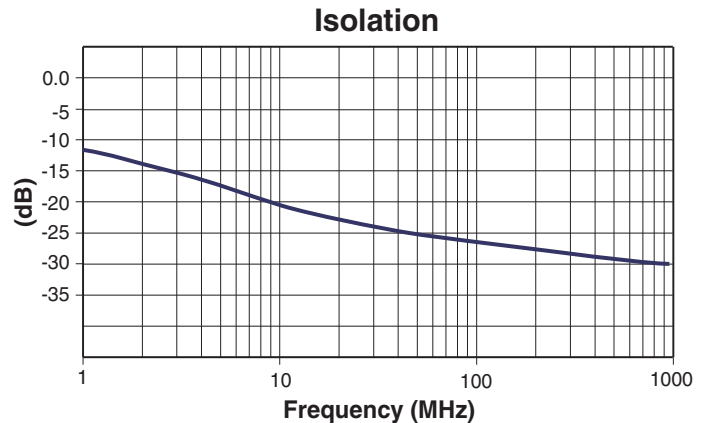
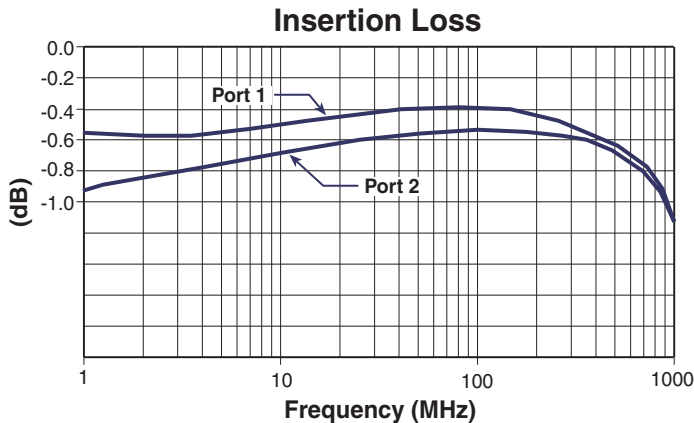
Weight035 grams
Tape & Reel850/reel
Tube65/tube

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Typical Performance @ 25°C



For More Information :

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