

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

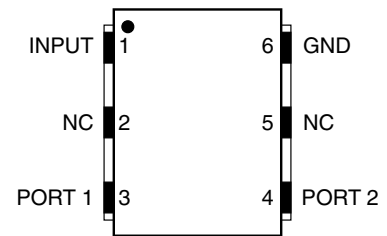
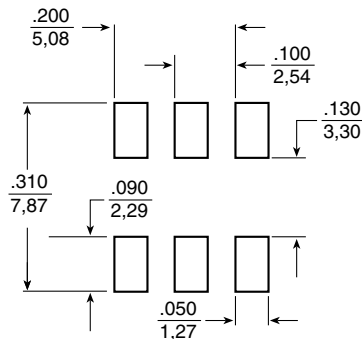
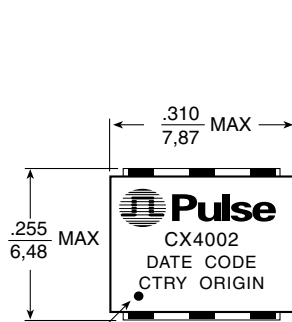
| Part Number | Frequency (MHz) | Z (Ω) | Isolation | | VSWR (5-1000 MHz) | | Insertion Loss (Above 3dB) | |
|-------------|-----------------|-------|------------------------|---------------------------|-------------------|------------------|----------------------------|---------------------------|
| | | | 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

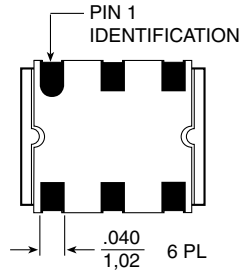
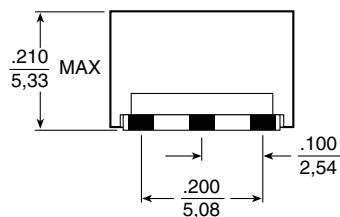
| Part Number | Phase Unbalance | | Amplitude Unbalance | |
|-------------|---------------------|------------------------|---------------------|-----------------------|
| | 5-400 MHz (deg MAX) | 400-1000 MHz (deg MAX) | 5-400 MHz (dB MAX) | 400-1000 MHz (dB MAX) |
| CX4002 | 2 | 4 | 0.3 | 0.6 |

Mechanical

CX4002



Power Rating: 1 Watt, MAX



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

Weight035 grams
Tape & Reel850/reel
Tube65/tube

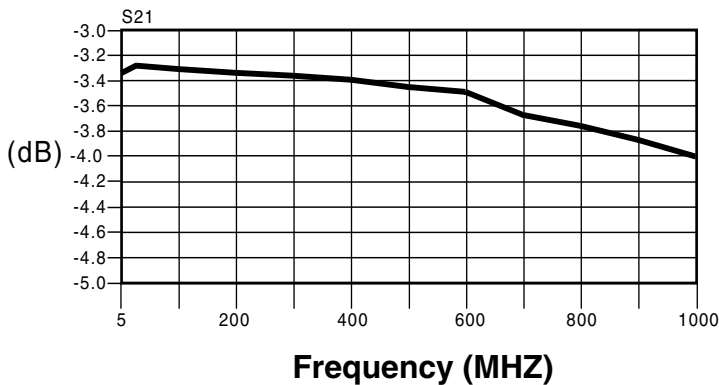
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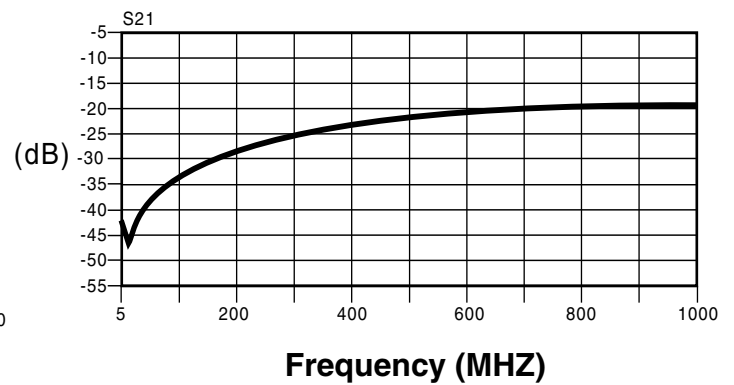


Typical Performance @ 25°C

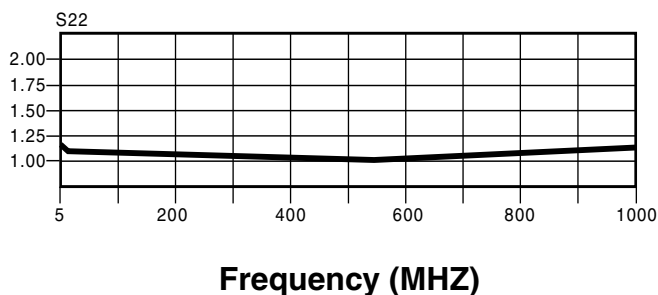
INSERTION LOSS



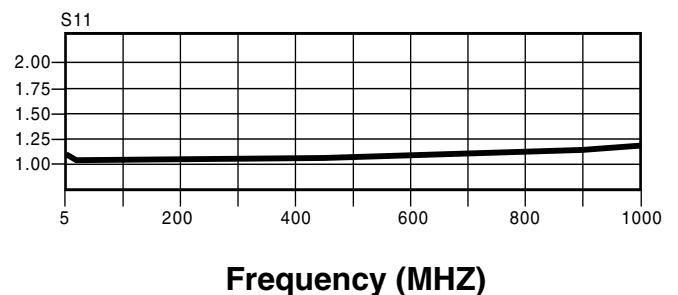
ISOLATION



OUTPUT VSWR



INPUT VSWR



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DISTRIBUTOR

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