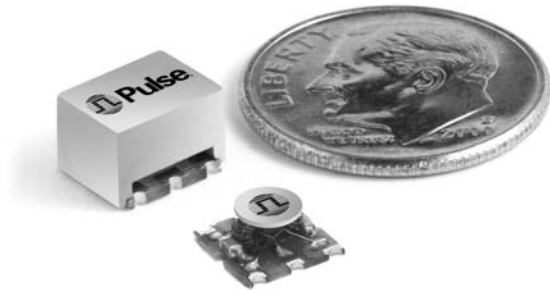







RF SPLITTER/COMBINERS

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



-  High isolation splitters
-  Operating bandwidth: 5MHz to 1000MHz
-  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 | | |
|-------------|-----------------|-------|-------------------------|---------------------------|----------------------------|-------------------------|---------------------------|----------------------------|
| | | | @ 5-40MHz (dB TYP/MIN) | @ 40-600MHz (dB TYP/MIN) | @ 600-1000MHz (dB TYP/MIN) | @ 5-40MHz (dB TYP/MIN) | @ 40-600MHz (dB TYP/MIN) | @ 600-1000MHz (dB TYP/MIN) |
| CX4012L | 5 - 1000 | 75 | 20/16.5 | 27/22 | 27/22 | 16/12.5 | 21/18.5 | 19/18 |
| Part Number | Frequency (MHz) | Z (Ω) | @ 5-500MHz (dB TYP/MIN) | @ 501-870MHz (dB TYP/MIN) | @ 871-1000MHz (dB TYP/MIN) | @ 5-500MHz (dB TYP/MIN) | @ 501-870MHz (dB TYP/MIN) | @ 871-1000MHz (dB TYP/MIN) |
| CX4024 | 5 - 1000 | 75 | 30/20 | 25/18 | 18/15 | 30/23 | 25/20 | 17/10 |

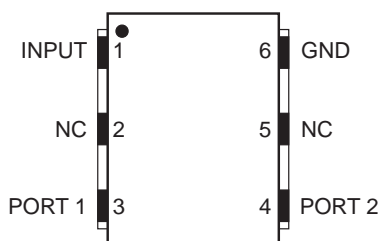
Additional Specifications

| Part Number | Insertion Loss (Above 3dB) | | | | Amplitude Unbalance | |
|-------------|----------------------------|---------------------------|----------------------------|----------------------------|------------------------|---------------------------|
| | @ 5-40MHz (dB TYP/MAX) | @ 40-600MHz (dB TYP/MAX) | @ 600-870MHz (dB TYP/MAX) | @ 870-1000MHz (dB TYP/MAX) | @ 5-40MHz (dB TYP/MAX) | @ 40-1000MHz (dB TYP/MAX) |
| CX4012L | 0.4/0.8 | 0.4/0.6 | 0.65/0.85 | 1.0/1.2 | 0.3/0.4 | 0.2/0.3 |
| Part Number | @ 5-500MHz (dB TYP/MAX) | @ 501-870MHz (dB TYP/MAX) | @ 871-1000MHz (dB TYP/MAX) | @ 5-500MHz (dB MAX) | @ 501-870MHz (dB MAX) | @ 871-1000MHz (dB MAX) |
| CX4024 | 0.5/0.8 | 0.8/1.0 | 1.0/1.3 | 0.1 | 0.2 | 0.3 |

NOTE: Optional Tape & Reel packaging can be ordered by adding a "T" suffix to the part number (ex: CX4012LT).

Mechanicals

CX4024



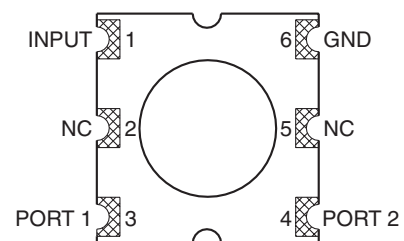
Power Rating: 1 Watt, MAX

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

CX4012L



Power Rating: 1 Watt, MAX

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

Unless otherwise specified, all tolerances are $\pm \frac{.005}{0,13}$

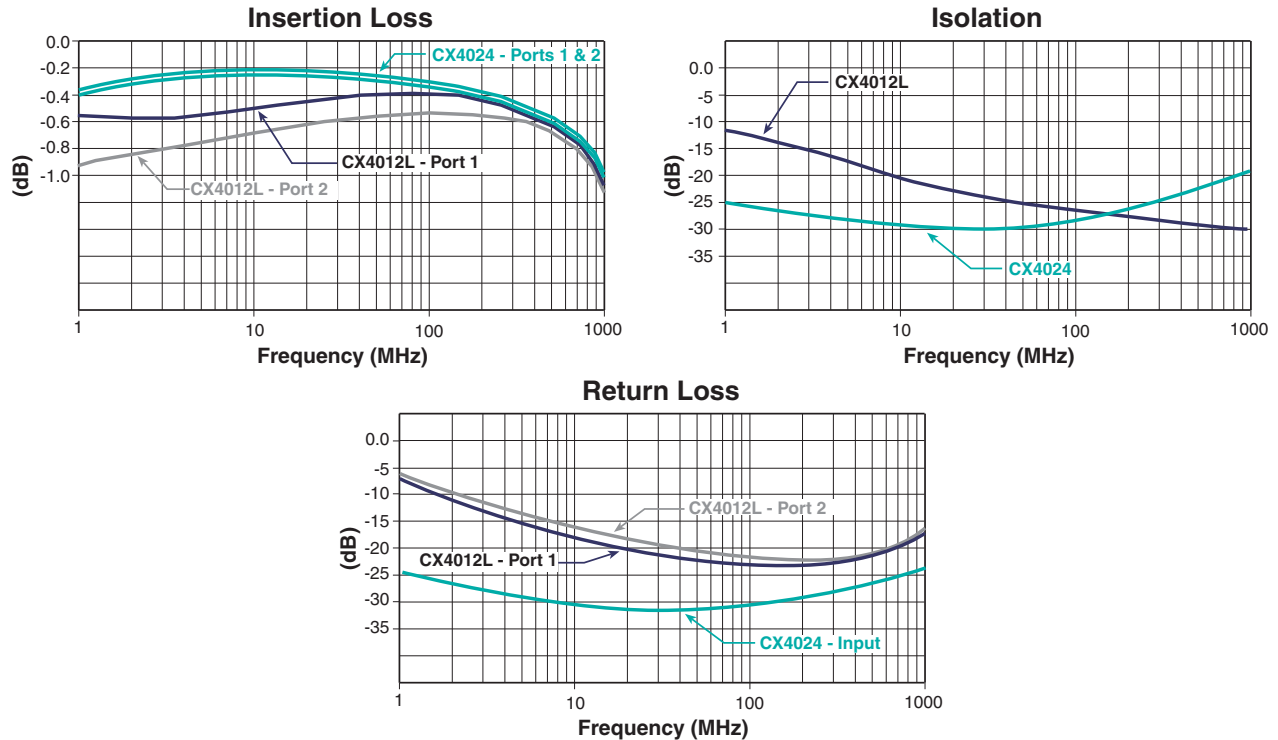
Weight0.35 grams
Tape & Reel2200/reel

RF SPLITTER/COMBINER

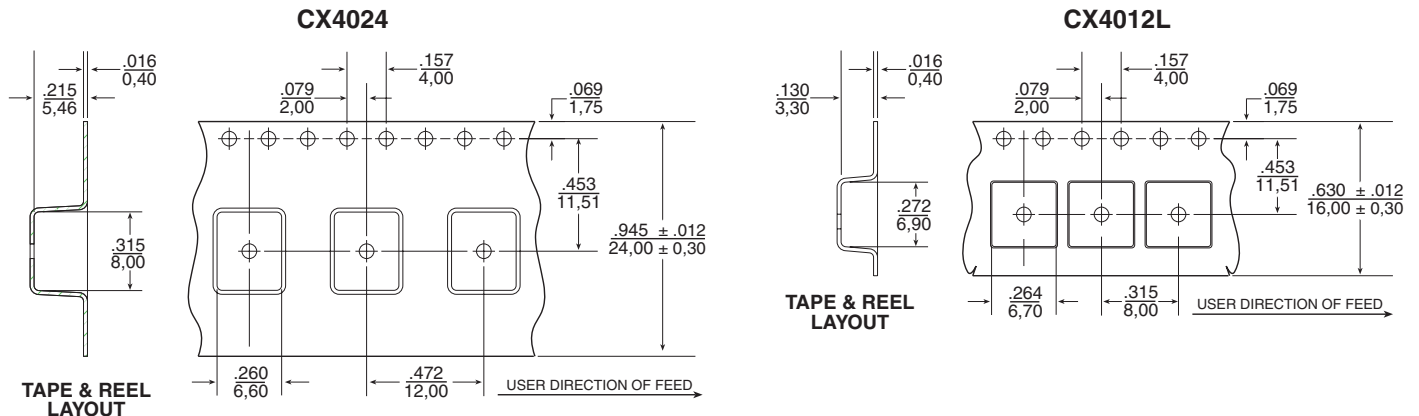
High Isolation for Cable Media Products and Distribution Equipment : 2-Way; 0°



CX4012L and CX4024 — Typical Performance @ 25°C



Tape and Reel Specifications



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C220.D (8/04)