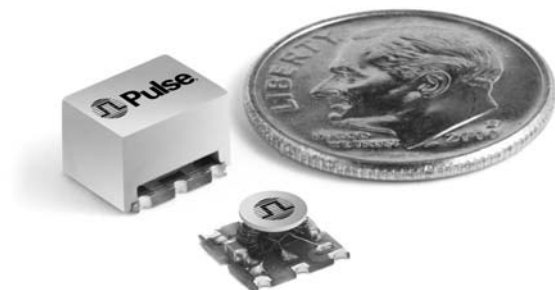


RF SPLITTER/COMBINERS

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

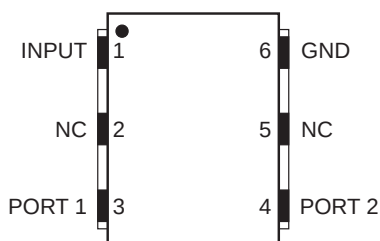
Additional Specifications

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



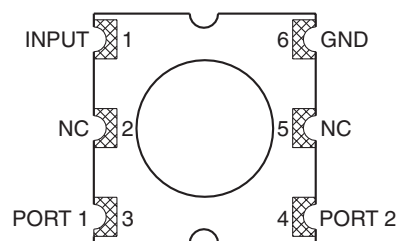
Power Rating: 1 Watt, MAX

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

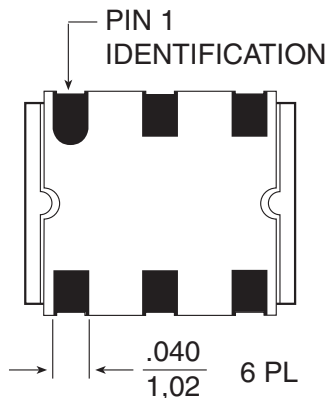
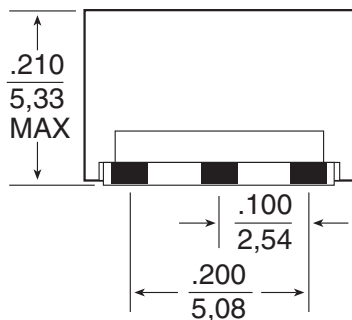
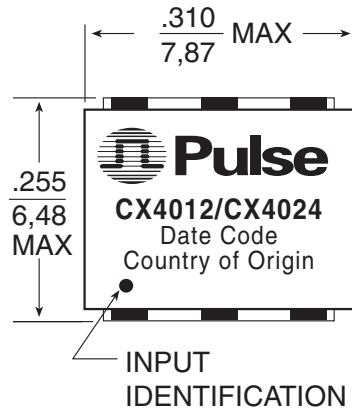
RF SPLITTER/COMBINERS

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



Mechanicals

CX4024



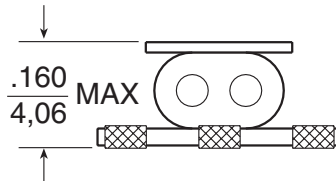
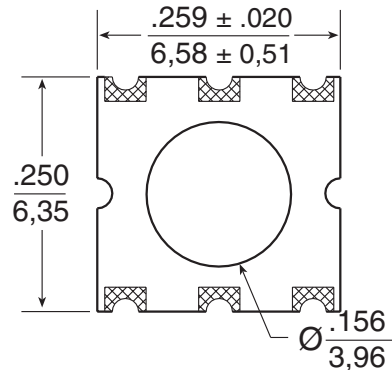
BOTTOM VIEW

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

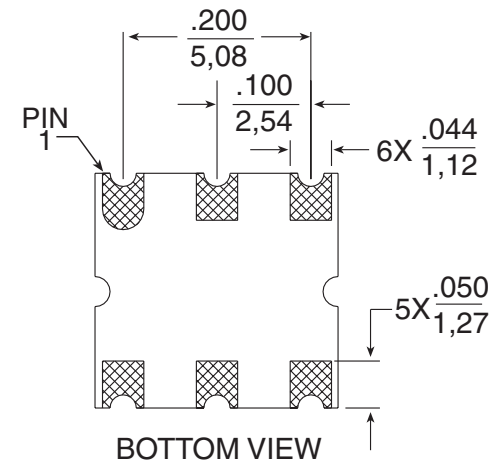
Unless otherwise specified, all tolerances are $\pm \frac{.005}{0,13}$

Weight 0.35 grams
Tape & Reel850/reel
Tube65/tube

CX4012L



**SUGGESTED PAD LAYOUT
(Common to all parts)**



BOTTOM VIEW

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

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

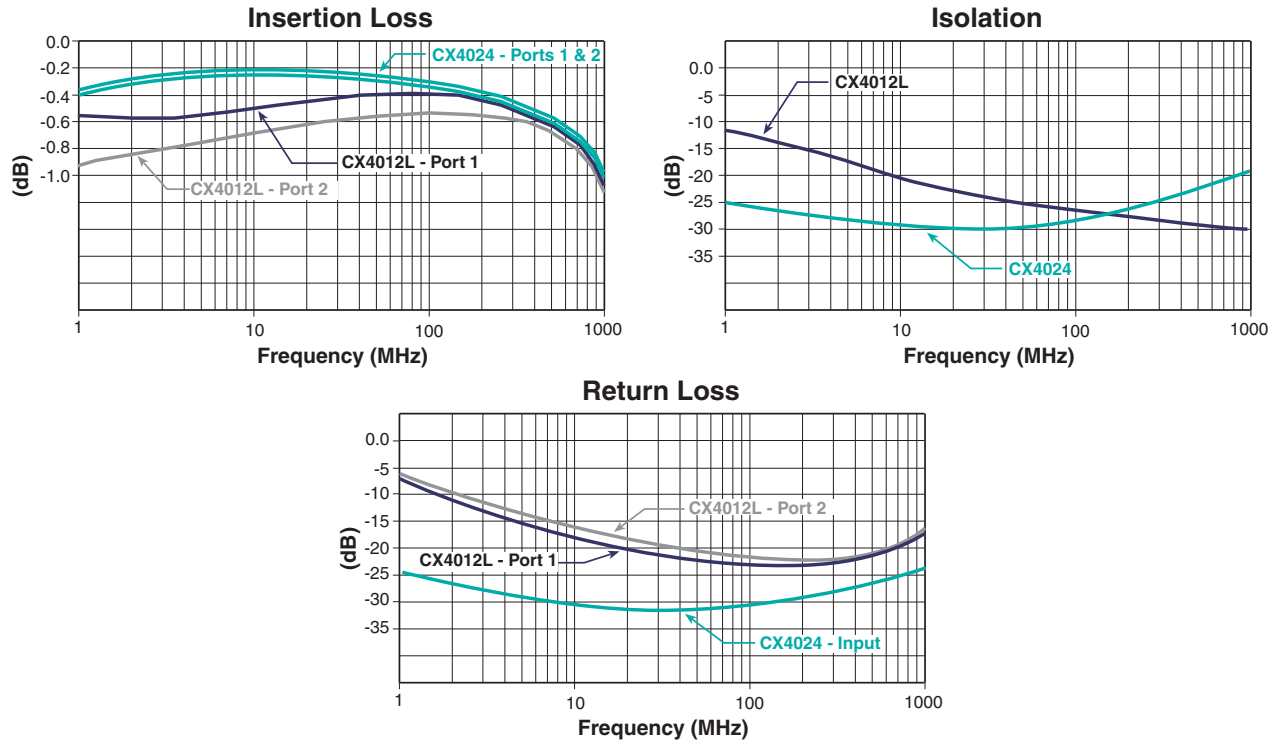
Weight 0.35 grams
Tape & Reel2200/reel

RF SPLITTER/COMBINER

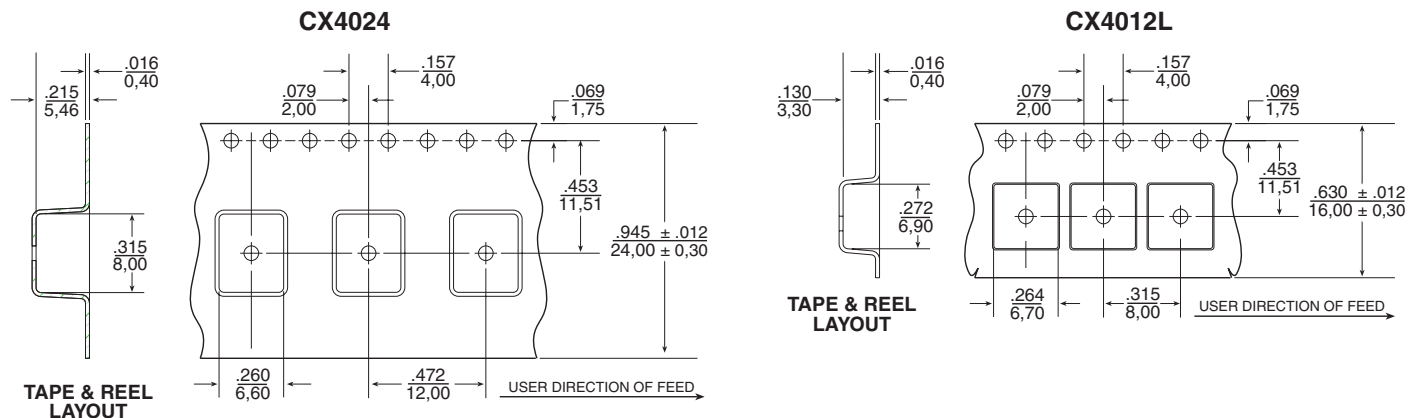
High Isolation for Cable Media Products and Distribution Equipment : 2-Way; 0°



CX4012L and CX4024 — Typical Performance @ 25°C



Tape and Reel Specifications



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