



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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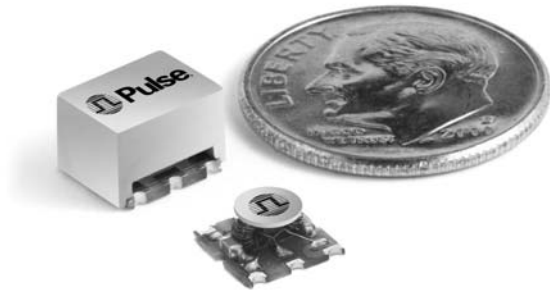
Email & Skype: info@chipsmall.com Web: www.chipsmall.com






Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



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

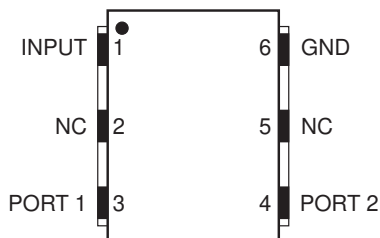
Additional Specifications

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



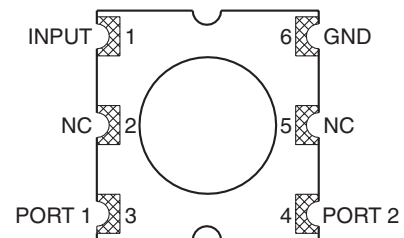
Power Rating: 1 Watt, MAX

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

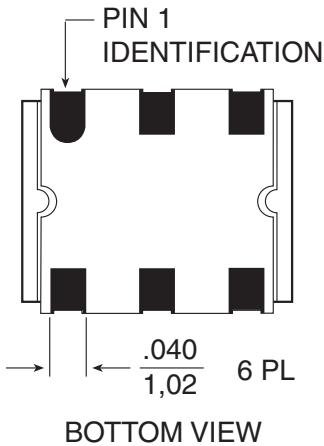
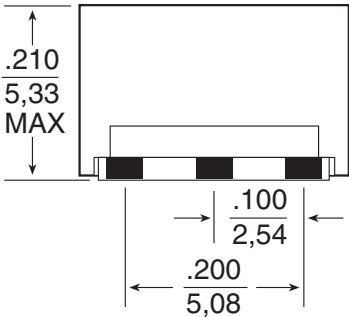
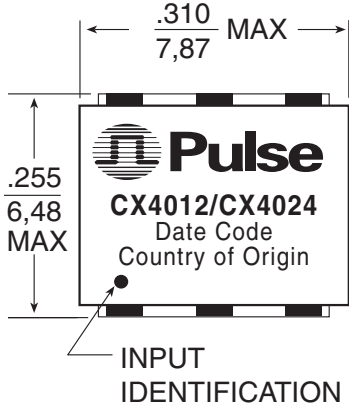
High Isolation for Cable Media Products and Distribution Equipment : 2-Way; 0°



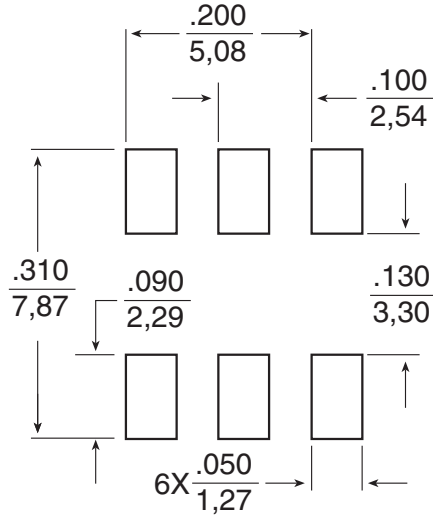
Mechanicals

CX4024

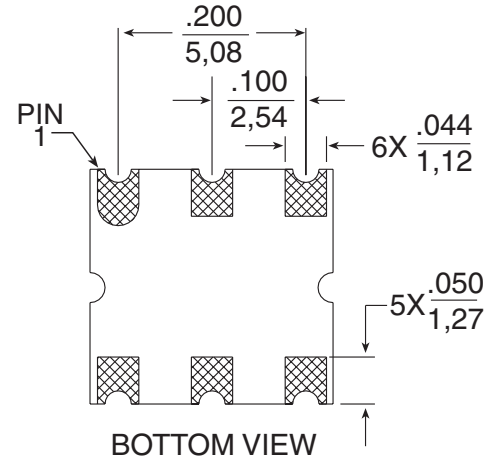
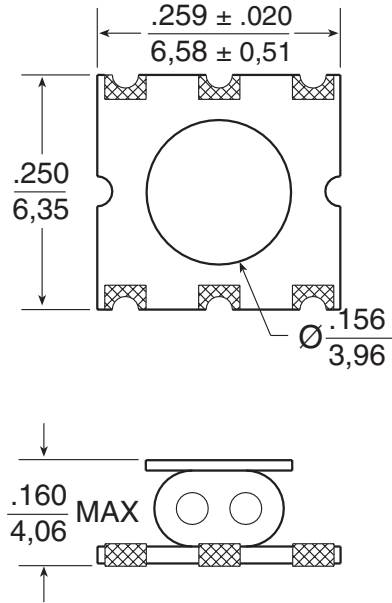
CX4012L



BOTTOM VIEW



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



BOTTOM VIEW

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

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

Weight035 grams
Tape & Reel850/reel
Tube65/tube

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

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

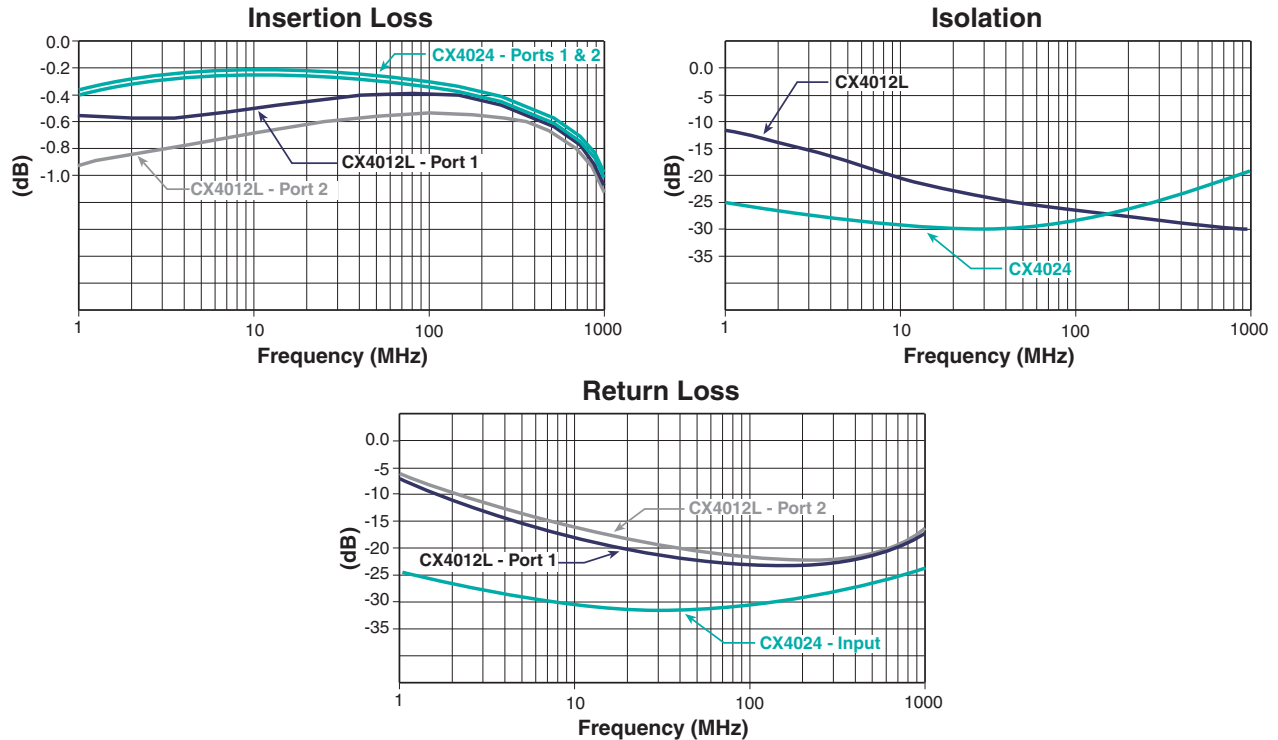
Weight035 grams
Tape & Reel2200/reel

RF SPLITTER/COMBINER

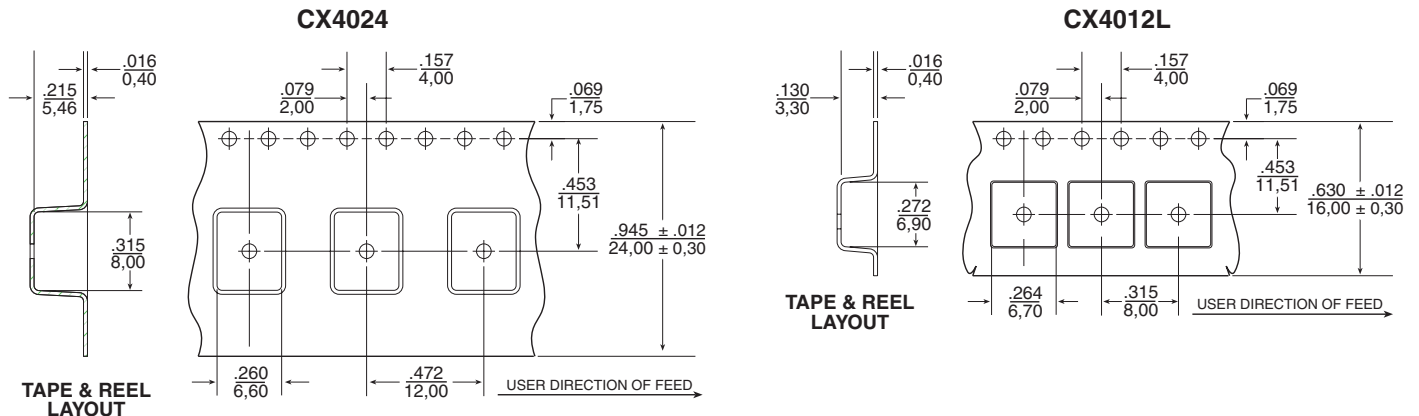
High Isolation for Cable Media Products and Distribution Equipment : 2-Way; 0°



CX4012L and CX4024 — Typical Performance @ 25°C



Tape and Reel Specifications



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