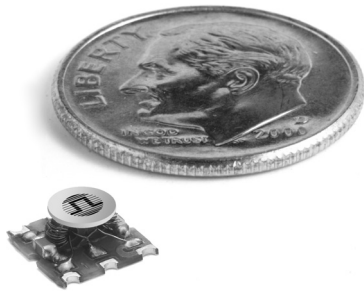







# RF SPLITTER/COMBINER

For RF Return Path Applications in Cable TV Products and Distribution Equipment : 2-Way; 0°



-  Operating bandwidth: 5MHz to 65MHz
-  Ideal for cable TV distribution equipment and set top box applications
-  High Isolation
-  Excellent Return Loss
-  235°C peak IR reflow temperature rating

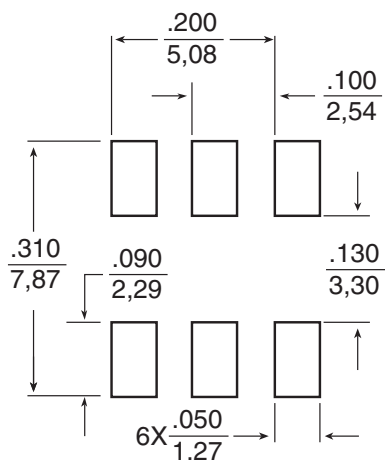
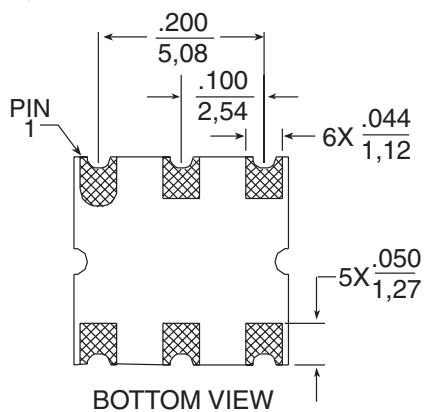
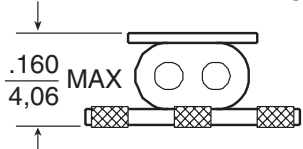
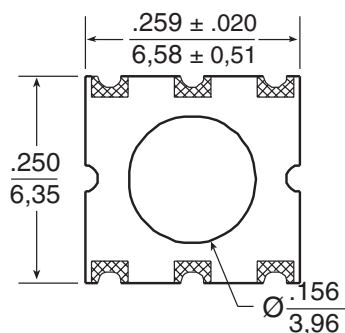
## Electrical Specifications @ 25°C — Operating Temperature -40°C to +85°C

Part Number	Frequency (MHz)	Z (Ω)	Isolation 5-65 MHz (dB TYP/MIN)	Return Loss (5-65 MHz)		Insertion Loss (>3dB)	Phase Unbalance	Amplitude Unbalance
				INPUT (TYP/MIN)	OUTPUT (TYP/MIN)	5-65 MHz (dB TYP/MAX)	5-65 MHz (deg MAX)	5-65 MHz (dB MAX)
CX4004L	5 - 65	75	40/26	34/24	31/23	0.22/0.40	1	0.3

NOTE: Optional Tape & Reel packaging can be ordered by adding a "T" suffix to the part number (ex: CX4004LT).

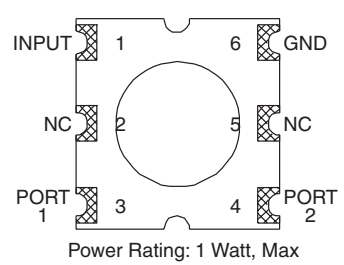
## Mechanical

### CX4004L



Weight . . . . .0.35 grams  
 Tape & Reel . . . . .2200/reel  
 Dimensions: Inches  
                   mm  
 Unless otherwise specified,  
 all tolerances are ± .010  
                               0,25

### SUGGESTED PAD LAYOUT



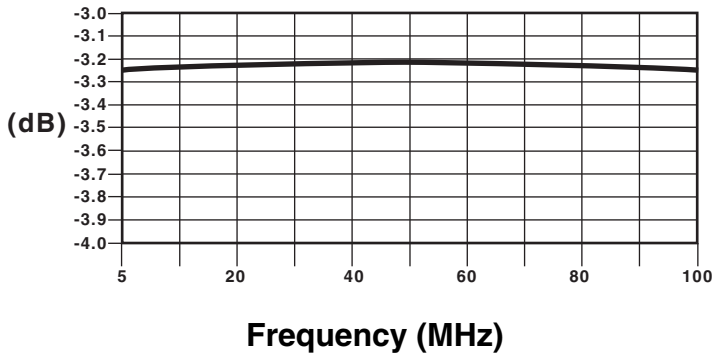
# RF SPLITTER/COMBINER

For RF Return Path Applications in Cable TV  
Products and Distribution Equipment : 2-Way; 0°

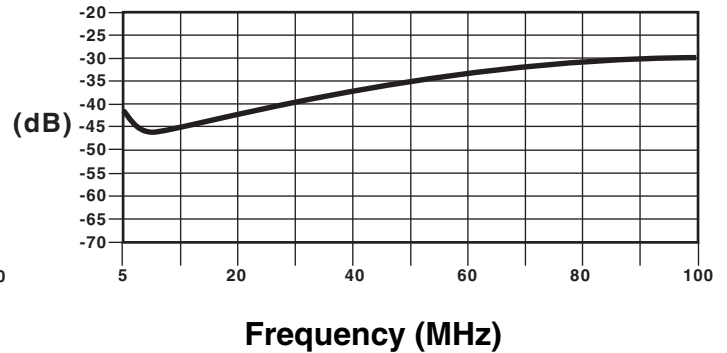


## Typical Performance @ 25°C CX4004L

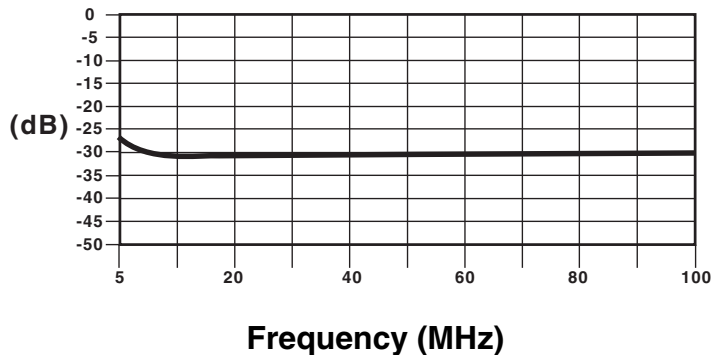
### INSERTION LOSS



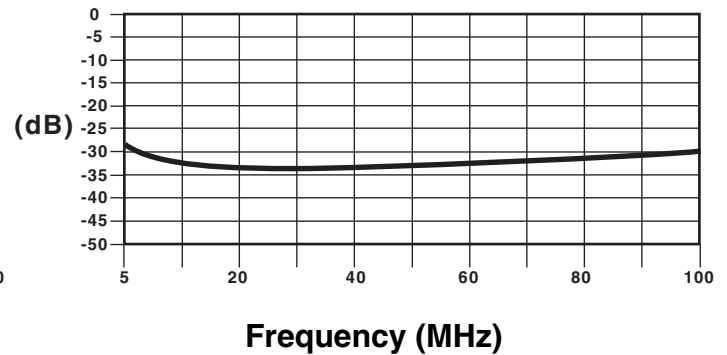
### ISOLATION



### OUTPUT RETURN LOSS



### INPUT RETURN LOSS



### For More Information :

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**C212.B (8/04)**