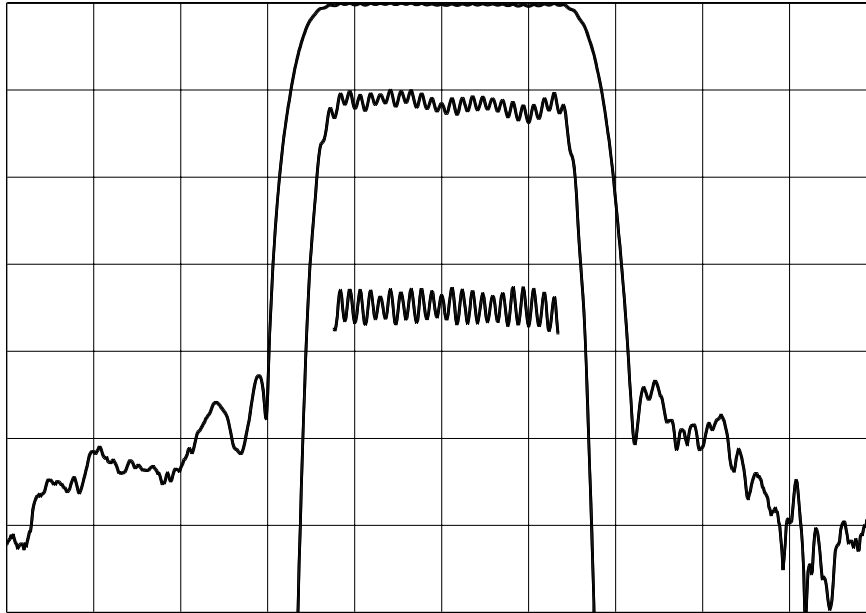




### TYPICAL PERFORMANCE



Horizontal: 4.0 MHz/div    Vertical (from top):  
Magnitude 10 dB/div  
Magnitude 1 dB/div  
Group Delay 100 ns/div

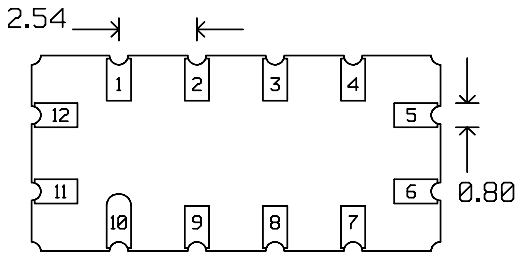
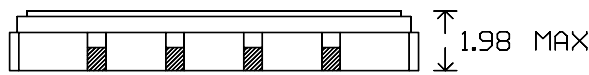
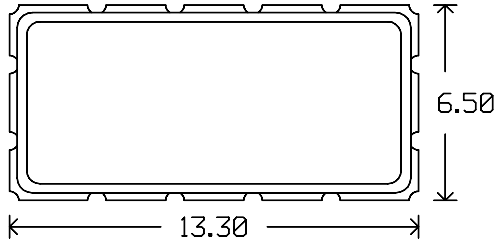
### SPECIFICATION

Parameter	Min.	Typ.	Max.	Units.
Center Frequency ( Fc ) <sup>1</sup>	69.8	70.0	70.2	MHz
Insertion Loss		11.5	12.5	dB
1 dB Bandwidth <sup>2</sup>	11.5	11.8		MHz
3 dB Bandwidth <sup>2</sup>	12.0	12.8		MHz
40 dB Bandwidth <sup>2</sup>		16.5	18.25	MHz
Passband Amplitude Ripple <sup>3</sup>		0.4	1	dB p-p
Passband Phase Ripple <sup>3</sup>		6	11.5	deg p-p
Group Delay Ripple <sup>3</sup>		45	90	ns p-p
Absolute Delay		1.07		us
Rejection ( 20 - 60 MHz)	40			dB
Rejection ( 80 - 105 MHz)	40			dB
Substrate Material	YZ Lithium Niobate			
Temperature Coefficient		-94		ppm/° C
Ambient Temperature		25		° C

#### Notes:

1. Mean Value of 3 dB points
2. Relative to Insertion Loss
3. Measured over 90% of 3 dB Bandwidth

**PACKAGE OUTLINE**

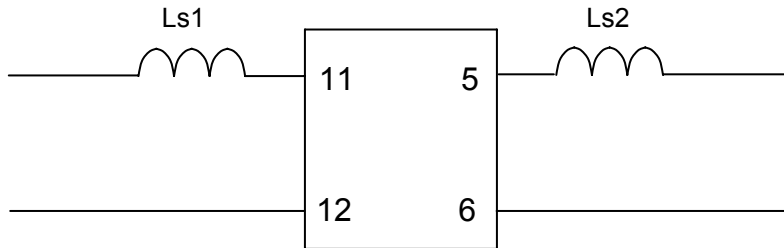


Units: mm

**Pin Configuration:**

Input: 11  
 Input Return: 12  
 Output: 5  
 Output Return: 6  
 Ground: All other pins

**MATCHING CIRCUIT**



Component values:

Ls1 = 150 nH      Ls2 = 150 nH      (Minimum Q = 45)

Notes

1. Recommend use of 5% tolerance components.
2. Optimum values depend on board layout. Values intended as guide only.

