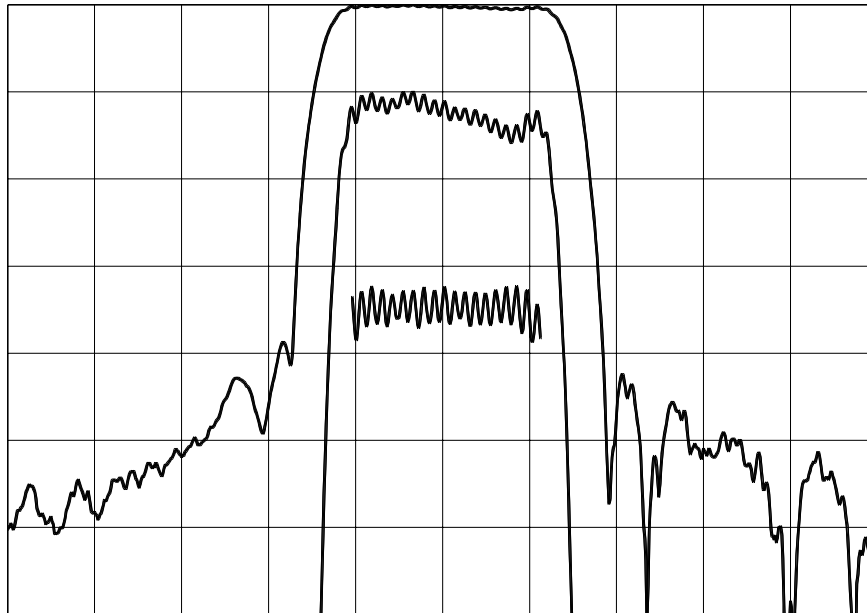


## TYPICAL PERFORMANCE



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

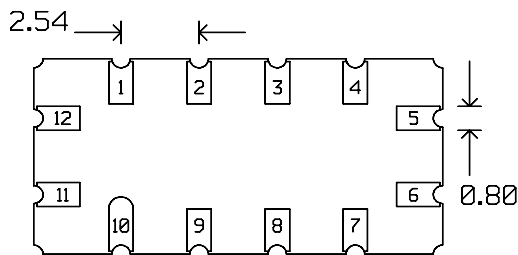
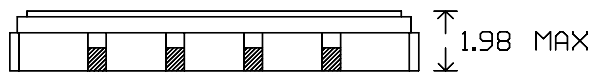
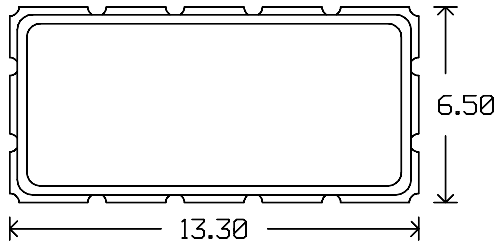
## SPECIFICATION

Parameter	Min.	Typ.	Max.	Units.
Center Frequency ( Fc ) <sup>1</sup>	69.8	70.0	70.2	MHz
Insertion Loss		10.0	11.0	dB
1 dB Bandwidth <sup>2</sup>	9.4	9.7		MHz
3 dB Bandwidth <sup>2</sup>	10.0	10.8		MHz
40 dB Bandwidth <sup>2</sup>		15.0	15.7	MHz
Passband Amplitude Ripple <sup>3</sup>		0.6	1	dB p-p
Passband Phase Ripple <sup>3</sup>		2.0	11.5	deg p-p
Group Delay Ripple <sup>3</sup>		60	95	ns p-p
Absolute Delay		1.05		us
Rejection ( 20 - 62 MHz)	40			dB
Rejection ( 78 - 105 MHz)	40			dB
Substrate Material	YZ Lithium Niobate			
Temperature Coefficient		-90		ppm/° C
Ambient Temperature		25		° C

### Notes:

1. Mean Value of 3 dB points
2. Relative to Insertion Loss
3. Measured over 80% of 3 dB Bandwidth

## PACKAGE OUTLINE

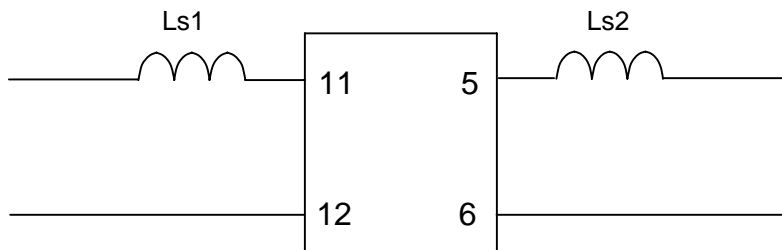


Units: mm

### Pin Configuration:

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

## MATCHING CIRCUIT



Component values:

$Ls1 = 180 \text{ nH}$        $Ls2 = 180 \text{ nH}$       (Minimum Q = 45)

Notes

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

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