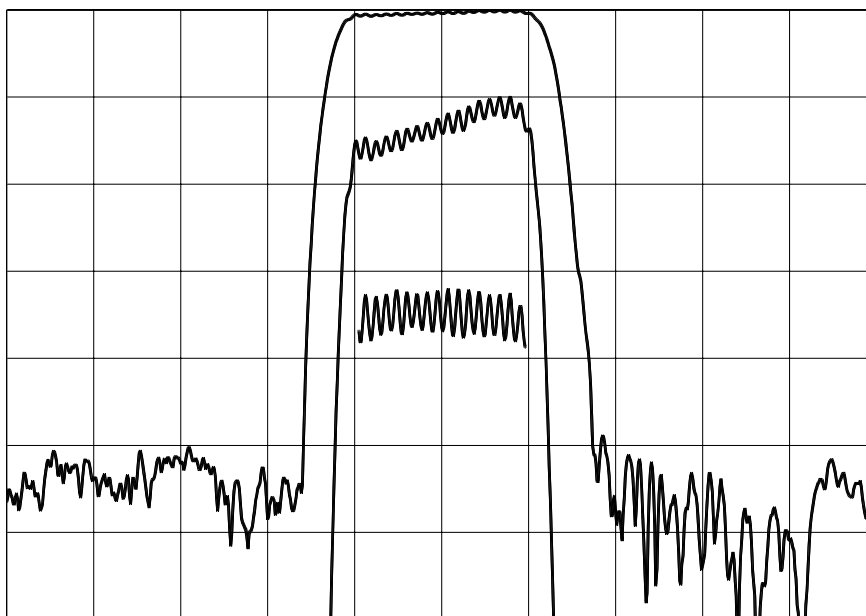




TYPICAL PERFORMANCE



Horizontal: 4.0 MHz/div

Vertical (from top):

Magnitude

10 dB/div

Magnitude

1 dB/div

Group Delay

100 ns/div

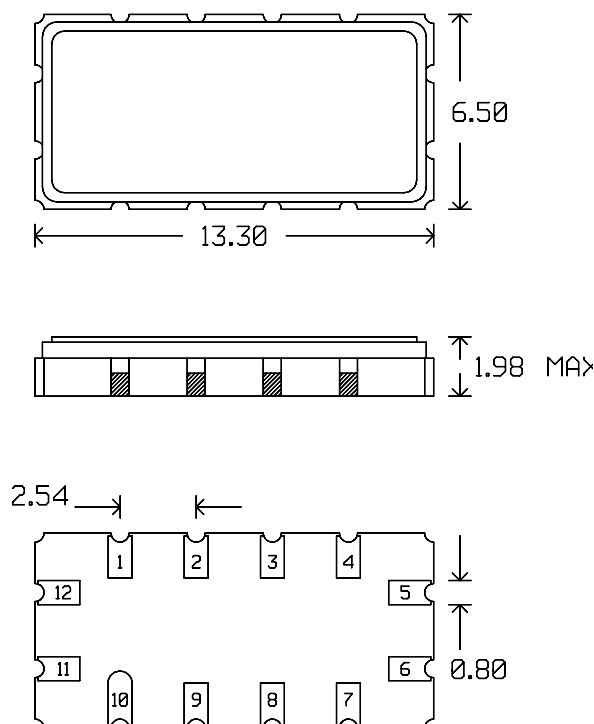
SPECIFICATION

Parameter	Min.	Typ.	Max.	Units.
Center Frequency (Fc) ¹	69.8	70.0	70.2	MHz
Insertion Loss		11.5	12.0	dB
1 dB Bandwidth ²	8.4	8.6		MHz
3 dB Bandwidth ²	9.0	9.4		MHz
40 dB Bandwidth ²		13.9	14.5	MHz
Pass Band Ripple ³		0.8	1	dB p-p
Phase Ripple ³		8	11	deg p-p
Group Delay Ripple ³		70	95	ns p-p
Absolute Delay		1		us
Ultimate Rejection	40	50		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 80% of minimum 3 dB Bandwidth

PACKAGE OUTLINE

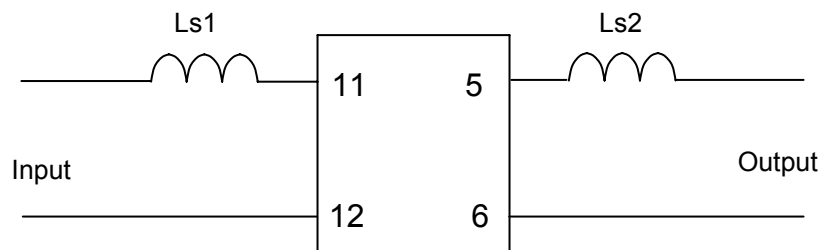


Units: mm

Pin Configuration:

Input: 11
Input Return: 12
Output: 5
Output Return: 6
Ground: 1,2,3,4,7,8,9,10

MATCHING CIRCUIT



Predicted Component values into 50 Ω matching:

Ls1 = 180 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.

ISO 9001
Registered