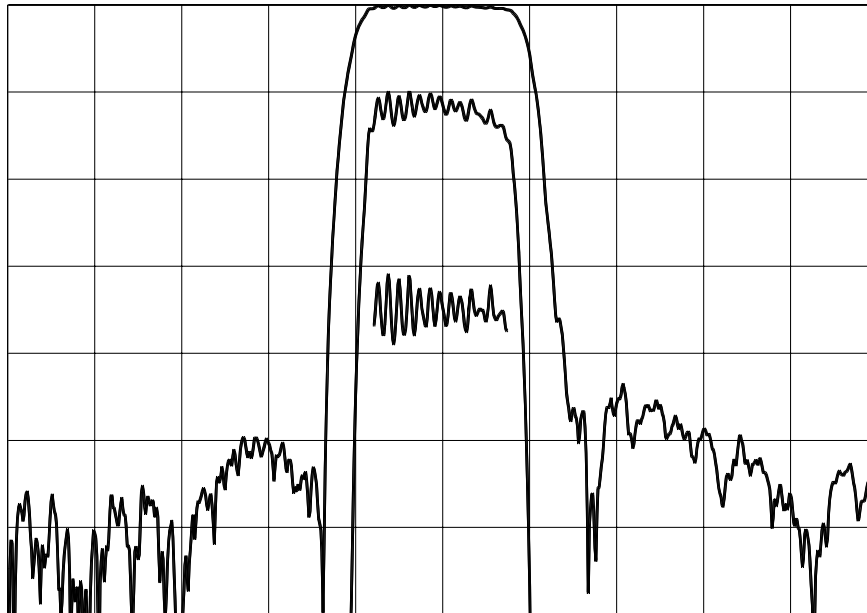


TYPICAL PERFORMANCE



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

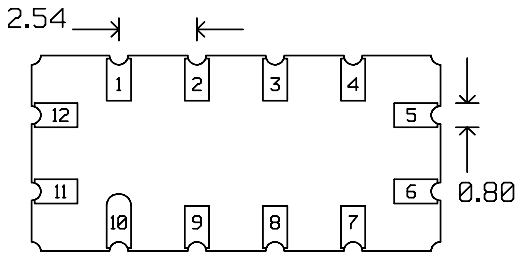
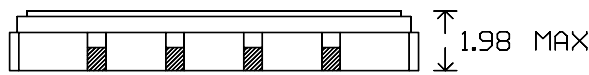
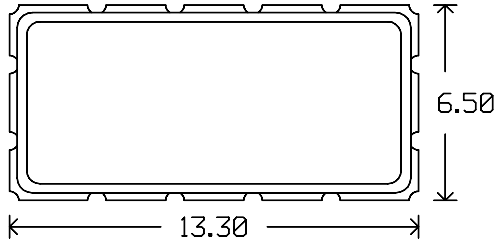
SPECIFICATION

Parameter	Min.	Typ.	Max.	Units.
Center Frequency (Fc) ¹	69.8	70.0	70.2	MHz
Insertion Loss		9.5	10.0	dB
1 dB Bandwidth ²	6.2	6.9		MHz
3 dB Bandwidth ²	7.0	7.7		MHz
40 dB Bandwidth ²		10.8	11.95	MHz
Passband Ripple		0.4	1.0	dB p-p
Phase Ripple		2.5	8	deg p-p
Group Delay Ripple		60	125	ns p-p
Absolute Delay		1.06		us
Ultimate Rejection	40			dB
Substrate Material	YZ Lithium Niobate			
Temperature Coefficient		-94		ppm/° C
Ambient Temperature		25		° C

Notes:

- 1: Mean Value of 3 dB points. 3dB measured from peak.
 2: Relative to Insertion Loss

PACKAGE OUTLINE

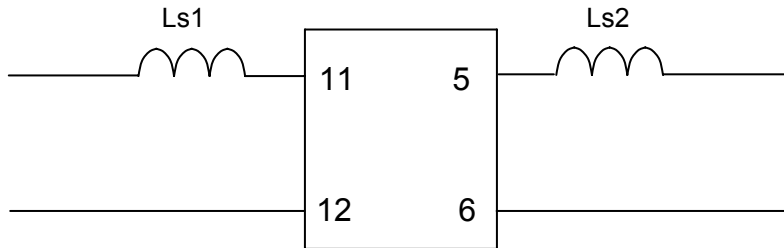


Units: mm

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.

