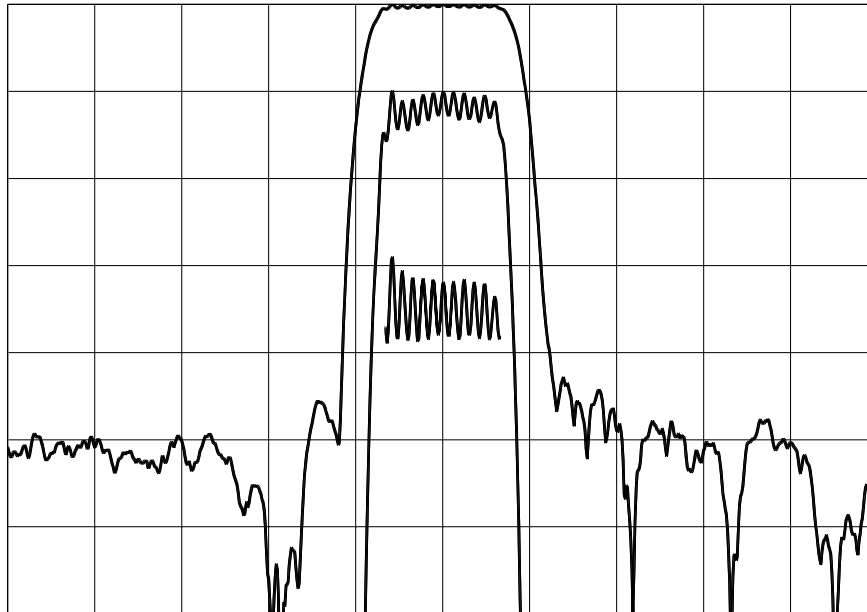




TYPICAL PERFORMANCE



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

SPECIFICATION

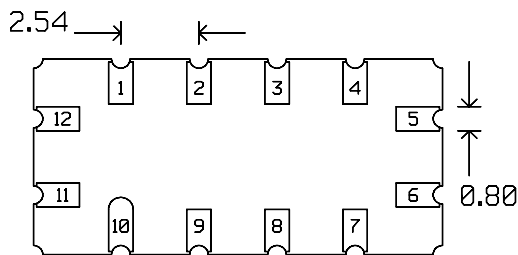
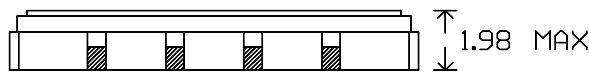
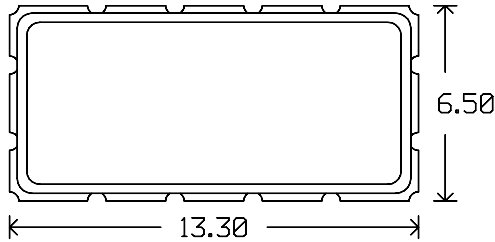
Parameter	Min.	Typ.	Max.	Units.
Center Frequency (Fc) ¹	69.8	70.0	70.2	MHz
Insertion Loss		8.5	9.0	dB
1 dB Bandwidth ²	5.1	5.7		MHz
3 dB Bandwidth ²	6.0	6.5		MHz
38 dB Bandwidth ²		9.5	10.65	MHz
Passband Ripple ³		0..65	1	dB p-p
Phase Ripple ³		5	10	deg p-p
Group Delay Ripple ³		100	110	ns p-p
Absolute Delay		1.05		us
Ultimate Rejection	38			dB
Substrate Material	YZ Lithium Niobate			
Temperature Coefficient		-90		ppm/° C
Ambient Temperature		25		° C

Notes:

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



PACKAGE OUTLINE

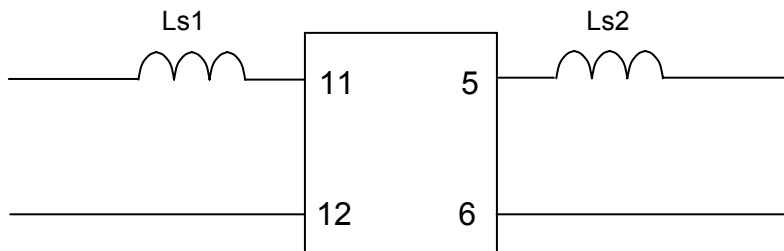


Units: mm

Pin Configuration:

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

MATCHING CIRCUIT



Component values:

Ls1 = 150 nH Ls2 = 180 nH (Minimum Q = 45)

Notes

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

