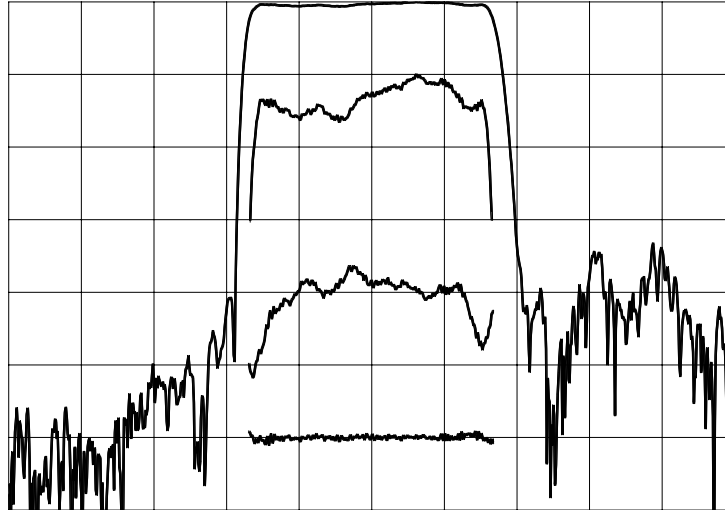




TYPICAL PERFORMANCE



Horizontal: 12 MHz/div Vertical (from top): Magnitude 10.1 dB/div
 Phase Deviation 5 deg/div
 Group Delay Deviation 100 ns/div

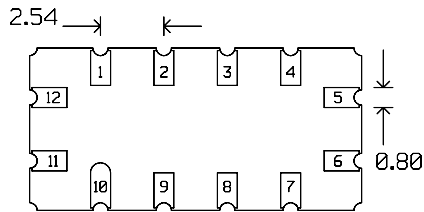
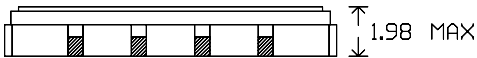
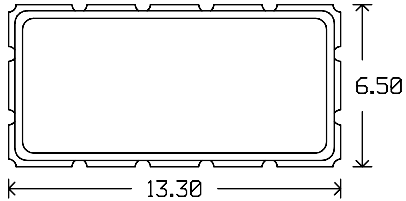
SPECIFICATION

Parameter	Min	Typ	Max	Units
Center Frequency (Fc) ¹	69.6	70	70.4	MHz
Insertion Loss		22	23	dB
2 dB Bandwidth	39.4	40.2		MHz
3 dB Bandwidth	40	40.8		MHz
30 dB Bandwidth		46.1	47	MHz
Passband Ripple		0.7	2.0	dB
Phase Deviation from Linear ²		5	13	deg
Group Delay Variation ²		20	90	ns
Absolute Delay		1.08		μs
Substrate		LiNbO ₃		-
Temperature Coefficient of Frequency (Tc) ³		-90		ppm/°C
Ambient Temperature		25		°C
System Source and Load Impedance		50		Ω

- Notes: 1. Average of lower & upper 3 dB frequencies.
 2. Evaluated over 90% of the 3 dB bandwidth.
 3. Typical change of filter frequency response with temperature is $\Delta f/f_{ref} = (T-T_{ref}) \cdot T_c$ ppm.



PACKAGE OUTLINE

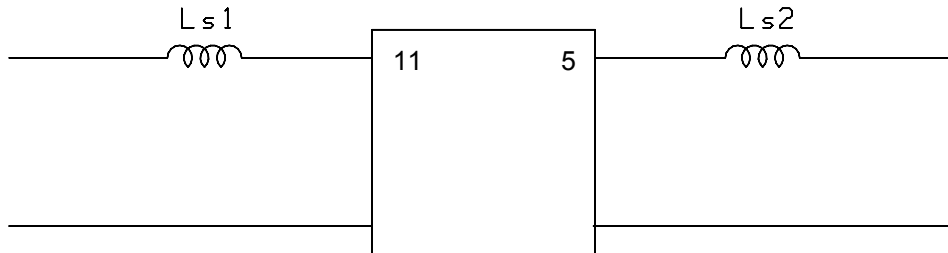


Units: mm

Pin Configuration:

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

MATCHING CIRCUIT



Component values in 50 Ω: Ls1 = 120 nH
(Minimum Q = 45)

Ls2 = 180 nH

Notes

- Optimum component values may change depending on board layout. The values shown here are intended as a guide only.

