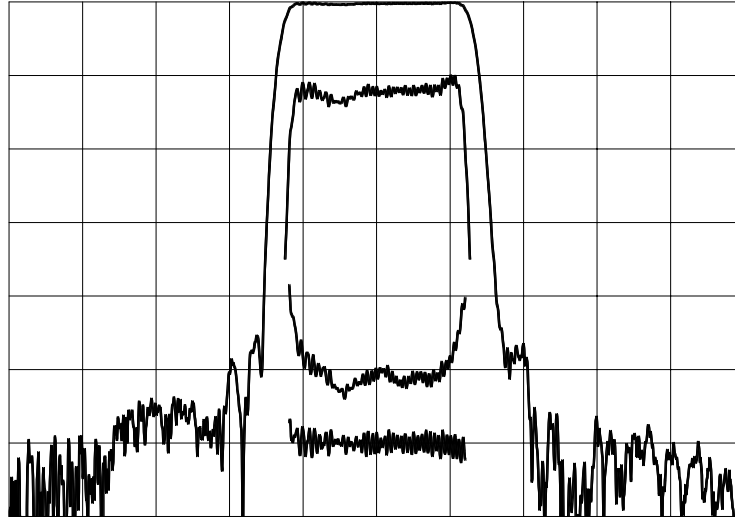




TYPICAL PERFORMANCE



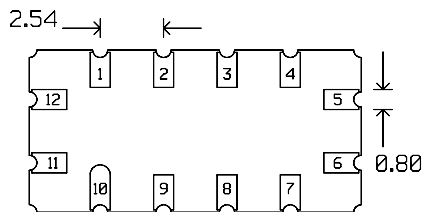
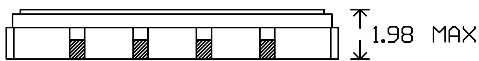
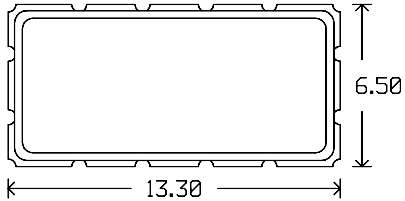
Horizontal: 8 MHz/div Vertical (from top):
 Magnitude 10 dB/div
 Magnitude 1 dB/div
 Phase Deviation 5 deg/div
 Group Delay Variation 100 ns/div

SPECIFICATION

Parameter	Min	Typ	Max	Units
Center Frequency (Fc) ¹	69.8	70	70.2	MHz
Insertion Loss		14.2	15.0	dB
1 dB Bandwidth	18.9	19.3		MHz
3 dB Bandwidth	20.0	20.4		MHz
40 dB Bandwidth		25.4	26.1	MHz
Passband Ripple		0.5	1.0	dB
Phase Deviation from Linear ²		5	11.2	deg
Group Delay Variation ²		55	90	ns
Absolute Delay		1.12		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 $\Delta f/f_{ref} = (T-T_{ref}) * T_c$ ppm.

PACKAGE OUTLINE



Units: mm

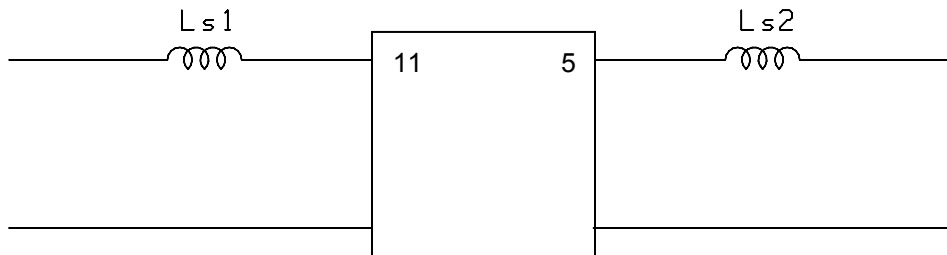
Pin Configuration:

Input: 11

Output: 5

Ground: 1,2,3,4,6,7,8,9,10,12

MATCHING CIRCUIT



Component values in 50 Ω : $L_{s1} = 120$ nH
(Minimum Q = 45)

$L_{s2} = 100$ nH

Notes

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