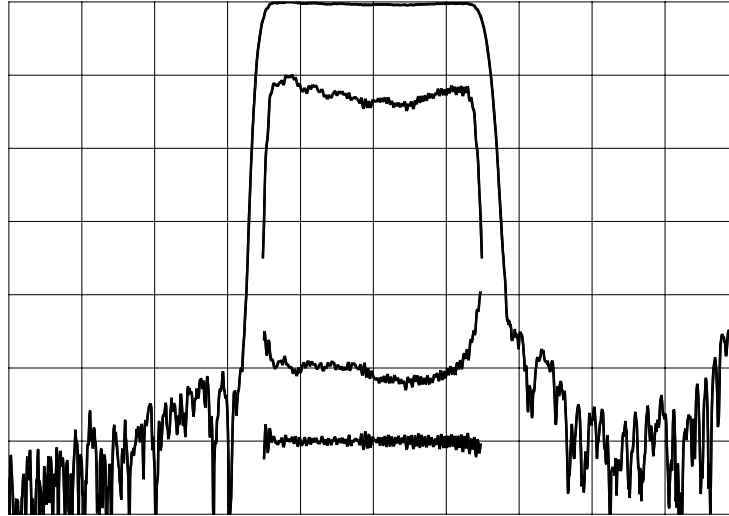


TYPICAL PERFORMANCE



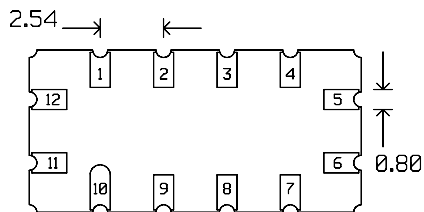
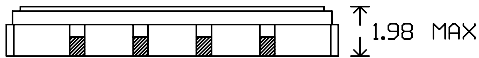
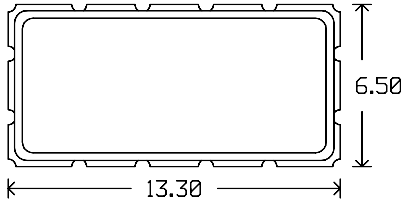
Horizontal: 10 MHz/div Vertical (from top): Magnitude 10,1 dB/div
 Phase Deviation 5 deg/div
 Group Delay Variation 100 ns/div

SPECIFICATION

Parameter	Min	Typ	Max	Units
Center Frequency (Fc) ¹	69.8	70	70.2	MHz
Insertion Loss		18.1	19	dB
1 dB Bandwidth	28.75	29.2		MHz
3 dB Bandwidth	30	30.4		MHz
40 dB Bandwidth		35.7	38.1	MHz
Passband Ripple		0.4	1.0	dB
Phase Deviation from Linear ²		3	13	deg
Group Delay Variation ²		30	90	ns
Absolute Delay		1.11		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 $\Delta f/f_{ref} = (T-T_{ref}) \cdot Tc$ ppm.

PACKAGE OUTLINE

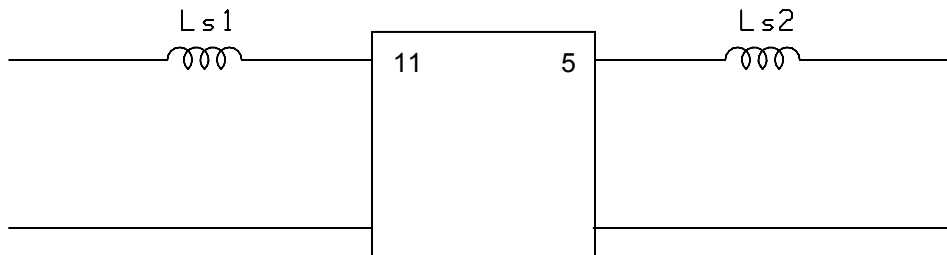


Units: mm

Pin Configuration:

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

MATCHING CIRCUIT



Component values in 50 Ω : $L_{s1} = 150$ nH
(Minimum Q = 45)

$L_{s2} = 82$ nH

Notes

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