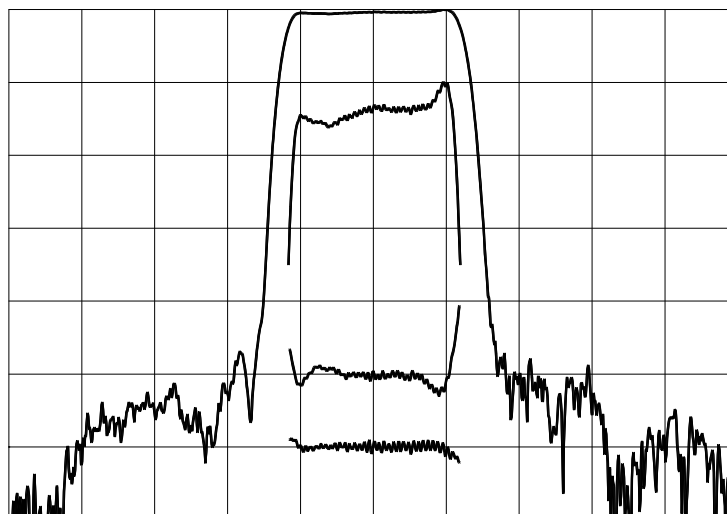


TYPICAL PERFORMANCE



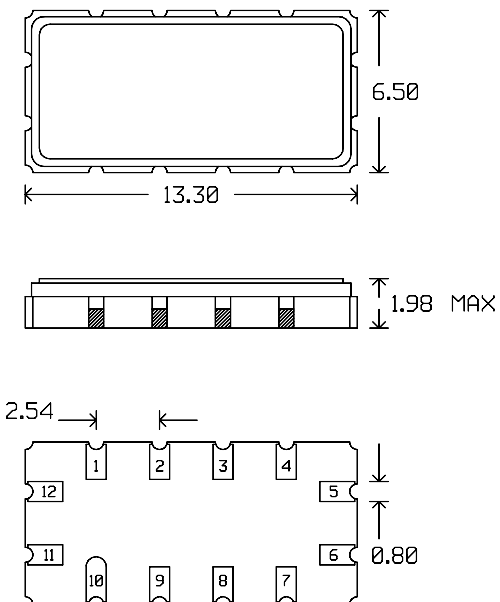
Horizontal: 7 MHz/div	Vertical (from top):	Magnitude	10 dB/div
		Magnitude	1 dB/div
		Phase Deviation	5 deg/div
		Group Delay Variation	100 ns/div

SPECIFICATION

Parameter	Min	Typ	Max	Units
Center Frequency (Fc) ¹	69.8	70	70.2	MHz
Insertion Loss		13	14	dB
1 dB Bandwidth	15.2	15.9		MHz
3 dB Bandwidth	16	16.9		MHz
40 dB Bandwidth		22.4	23	MHz
Passband Ripple		0.6	1.0	dB
Phase Deviation from Linear ³		3	11.5	deg
Group Delay Variation ³		30	100	ns
Absolute Delay		1.07		μs
Substrate		LiNbO ₃		-
Temperature Coefficient of Frequency (Tc) ⁴		-90		ppm/°C
Ambient Temperature		25		°C
System Source and Load Impedance		50		Ω

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

PACKAGE OUTLINE

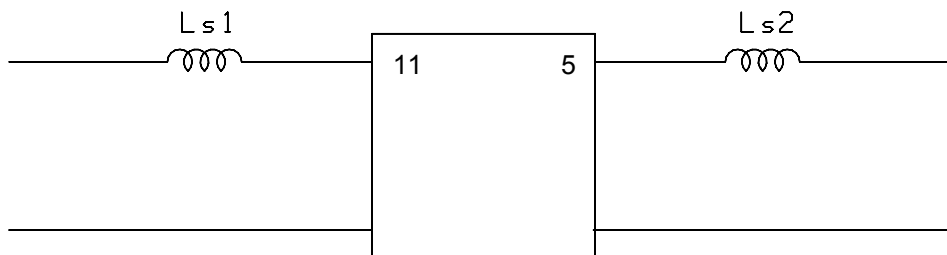


Units: mm

Pin Configuration:

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

MATCHING CIRCUIT



Component values in 50 Ω : $L_{s1} = 120$ 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.