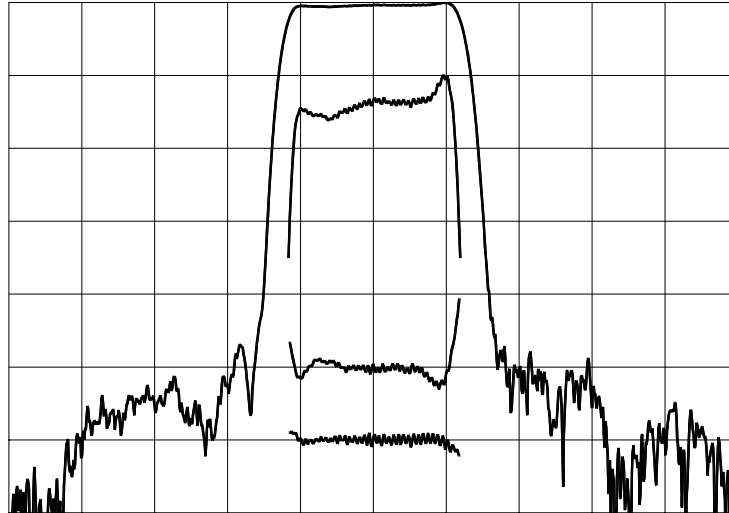




TYPICAL PERFORMANCE



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

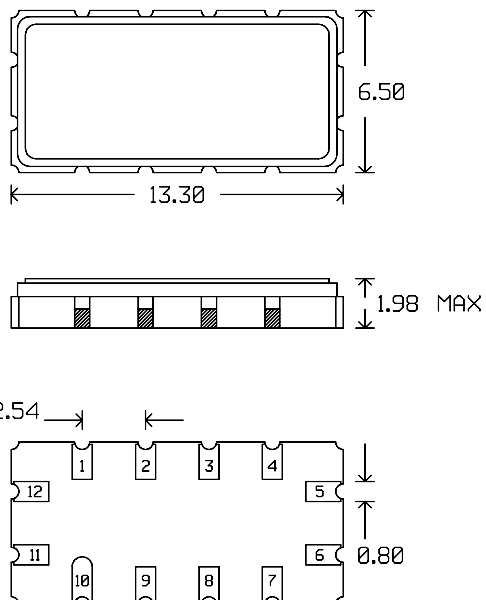
Parameter	Min	Typ	Max	Units
Center Frequency (Fc) ¹	69.8	70	70.2	MHz
Insertion Loss		13	14	dB
1 dB Bandwidth	15.2	15.9		MHz
3 dB Bandwidth	16	16.9		MHz
40 dB Bandwidth		22.4	23	MHz
Passband Ripple		0.6	1.0	dB
Phase Deviation from Linear ³		3	11.5	deg
Group Delay Variation ³		30	100	ns
Absolute Delay		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

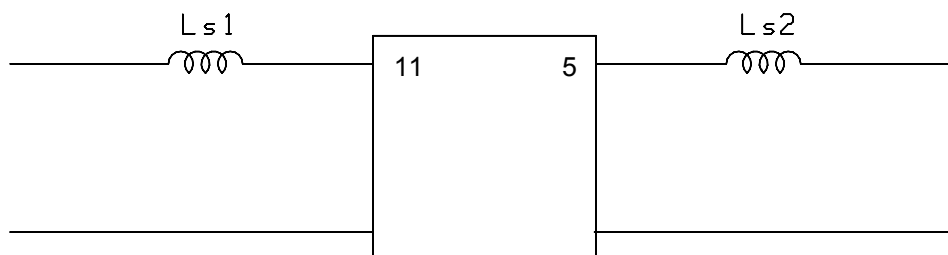


Units: mm

Pin Configuration:

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

MATCHING CIRCUIT



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

Ls2 = 100 nH

Notes

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