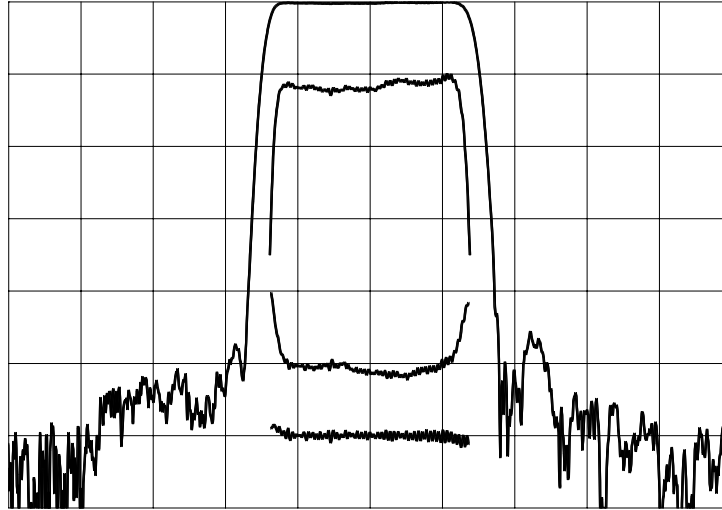




TYPICAL PERFORMANCE



Horizontal: 8 MHz/div

Vertical (from top):

Magnitude

10 dB/div

Magnitude

1 dB/div

Phase Deviation

5 deg/div

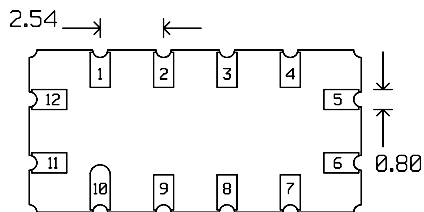
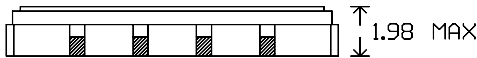
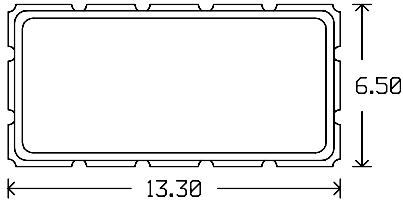
Group Delay Variation 100 ns/div

SPECIFICATION

Parameter	Min	Typ	Max	Units
Center Frequency (Fc) ¹	69.8	70	70.2	MHz
Insertion Loss		15.0	16	dB
1 dB Bandwidth	20.3	21.3		MHz
3 dB Bandwidth	22	22.4		MHz
40 dB Bandwidth		27.5	28	MHz
Passband Ripple		0.4	1.0	dB
Phase Deviation from Linear ²		3	11	deg
Group Delay Variation ²		25	100	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 $\Delta f/f_{ref} = (T - T_{ref}) * Tc$ ppm.

PACKAGE OUTLINE



Units: mm

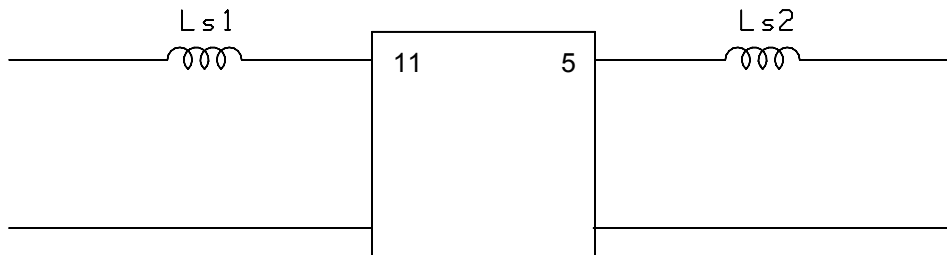
Pin Configuration:

Input: 11

Output: 5

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

MATCHING CIRCUIT



Component values in 50 Ω : Ls1 = 100 nH
(Minimum Q = 45)

Ls2 = 120 nH

Notes

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