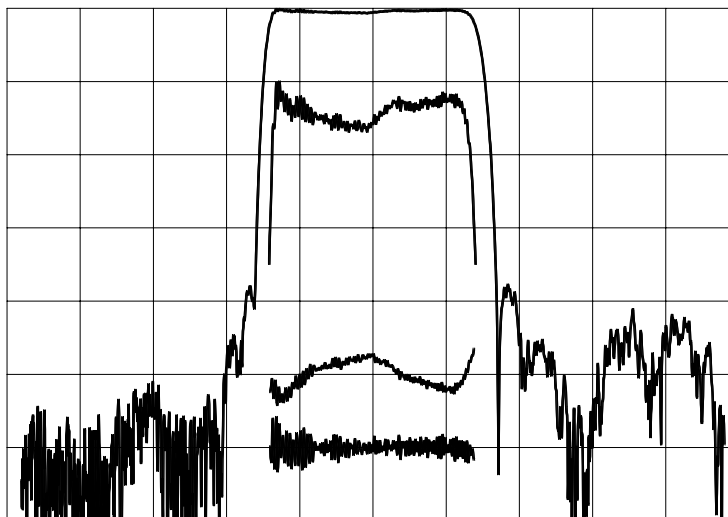


TYPICAL PERFORMANCE

PRELIMINARY



Horizontal: 12.5 MHz/div Vertical (from top): Magnitude 10 dB/div
Magnitude 1 deg/div
Phase Deviation 10 deg/div
Group Delay Variation 100 ns/div

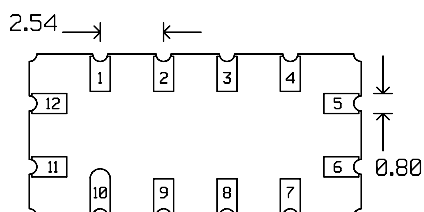
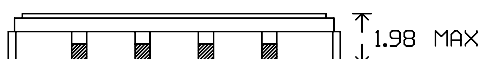
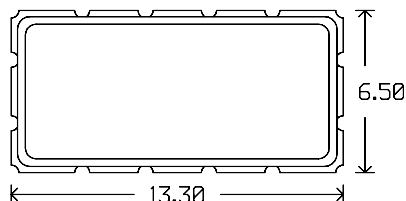
SPECIFICATION

Parameter	Min	Typ	Max	Units
Center Frequency (Fc) ¹	69.8	70.00	70.2	MHz
Insertion Loss ²		19.7	21.5	dB
2 dB Bandwidth		35.2		MHz
3 dB Bandwidth	35	35.8		MHz
35 dB Bandwidth		41	42	MHz
Rejection, 10-46 MHz	40	44		dB
Rejection, 97-108 MHz	40	46		dB
Rejection, 108-126 MHz	35	38		dB
Rejection, 126-150 MHz	40	43		dB
Passband Ripple		0.8	1.5	dB
Phase Deviation from Linear ³		7	11	deg
Group Delay Variation ³		70	80	ns
Absolute Delay		1.08		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 dB measured from peak).
2. Measured at Fc MHz.
3. Evaluated over 90% of the 3 dB bandwidth.
4. Typical change of filter frequency response with temperature is $\Delta f/f_{ref} = (T-T_{ref}) \cdot Tc$ ppm.

PACKAGE OUTLINE

PRELIMINARY

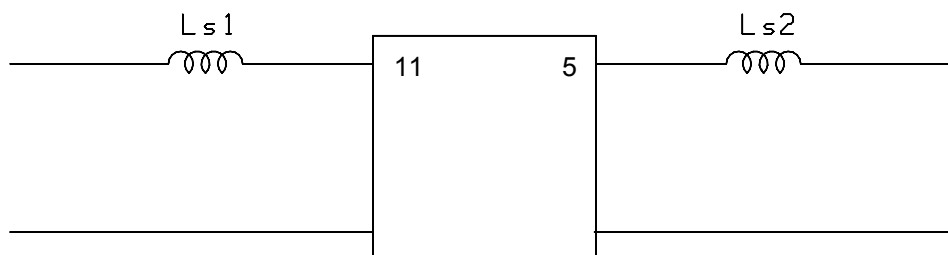


Units: mm

Pin Configuration:

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

MATCHING CIRCUIT



Component values in 50 Ω : $L_{s1} = 180$ nH
(Minimum Q = 40)

$L_{s2} = 150$ nH

Notes

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