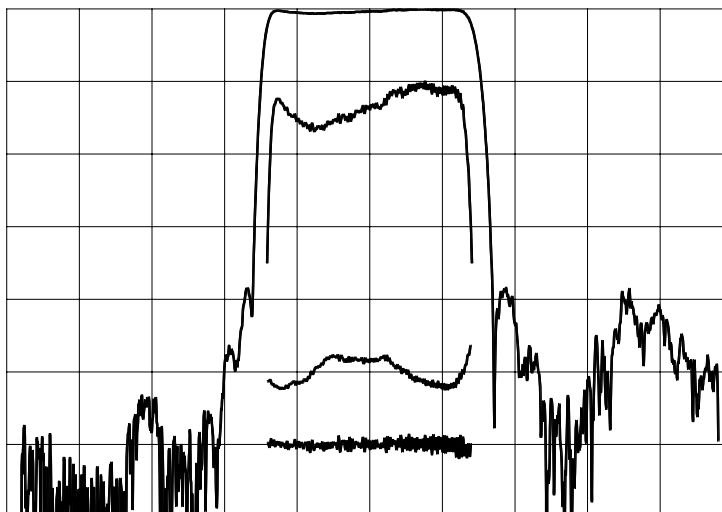


TYPICAL PERFORMANCE



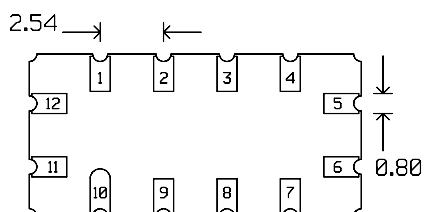
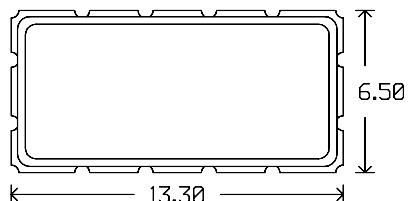
Horizontal: 12.5 MHz/div Vertical (from top): Magnitude 10 dB/div
 Magnitude 1 deg/div
 Phase Deviation 10 deg/div
 Group Delay Variation 100 ns/div

SPECIFICATION

Parameter	Min	Typ	Max	Units
Center Frequency (Fc) ¹	69.8	70.00	70.2	MHz
Insertion Loss		19.5	21.5	dB
2 dB Bandwidth		35.2		MHz
3 dB Bandwidth	35	35.8		MHz
35 dB Bandwidth		41.0	42	MHz
Rejection, 10-46 MHz	40	45		dB
Rejection, 97-108 MHz	40	47		dB
Rejection, 108-126 MHz	35	38		dB
Rejection, 126-150 MHz	40	45		dB
Passband Ripple		0.8	1.5	dB
Phase Deviation from Linear ²		7	11	deg
Group Delay Variation ²		32	80	ns
Absolute Delay		1.08		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 $\Delta f/f_{ref} = (T - T_{ref}) * T_c$ ppm.

PACKAGE OUTLINE

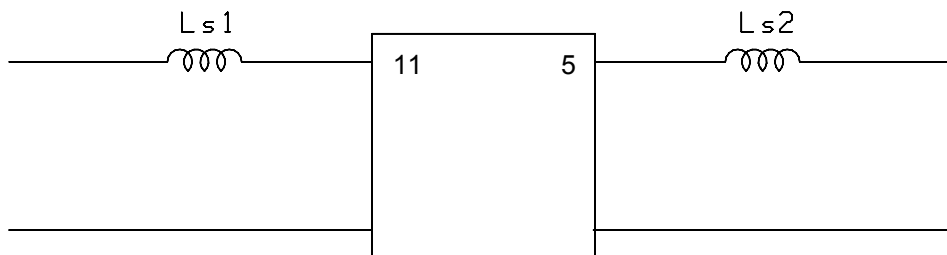


Units: mm

Pin Configuration:

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

MATCHING CIRCUIT



Component values in 50 Ω : $L_{s1} = 180$ 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.