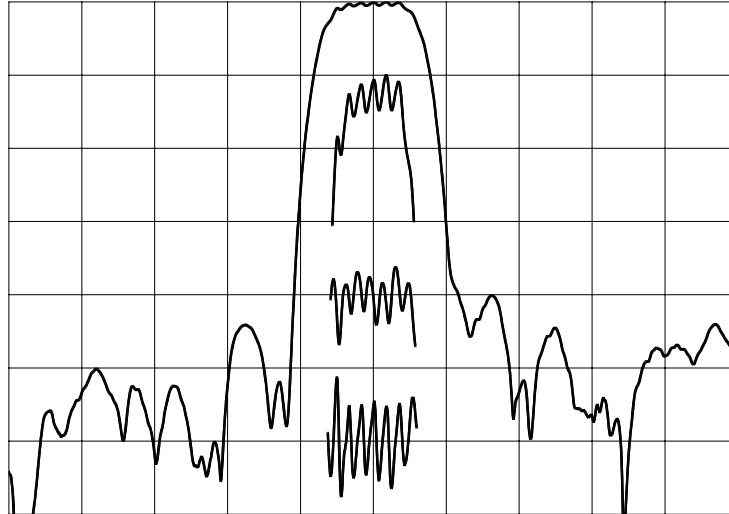


TYPICAL PERFORMANCE



Horizontal: 3 MHz/div

Vertical (from top):

Magnitude 10,1 dB/div
 Phase Deviation 5 deg/div
 Group Delay Variation 100 ns/div

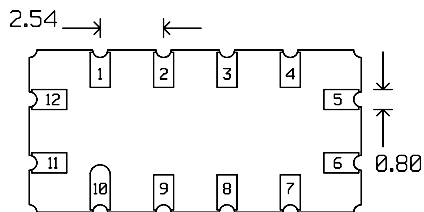
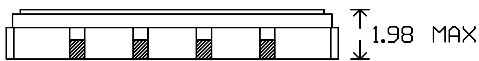
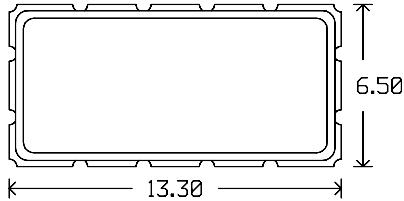
SPECIFICATION

Parameter	Min	Typ	Max	Units
Center Frequency (Fc) ¹	69.85	70	70.15	MHz
Insertion Loss		6.3	7.5	dB
1 dB Bandwidth	2.3	3.1		MHz
3 dB Bandwidth	3	3.7		MHz
35 dB Bandwidth		6.3	7.5	MHz
Passband Ripple		0.6	1	dB
Phase Deviation from Linear ²		4	6	deg
Group Delay Variation ²		120	175	ns
Absolute Delay		0.94		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 70% 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.

Micro Networks, 324 Clark Street, Worcester, MA 01606, USA tel: 508-852-5400, fax: 508-852-8456, www.micronetworks.com

PACKAGE OUTLINE



Units: mm

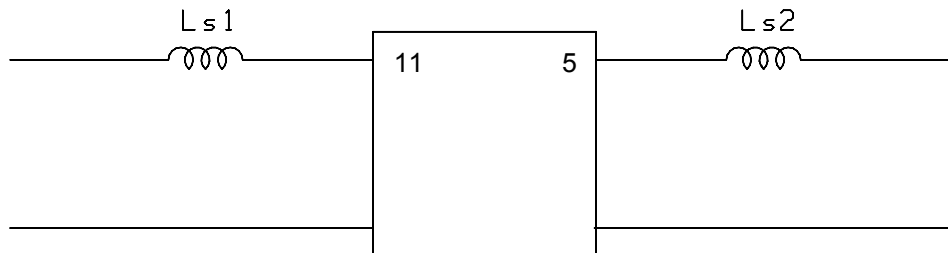
Pin Configuration:

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 = 68 nH

Notes

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