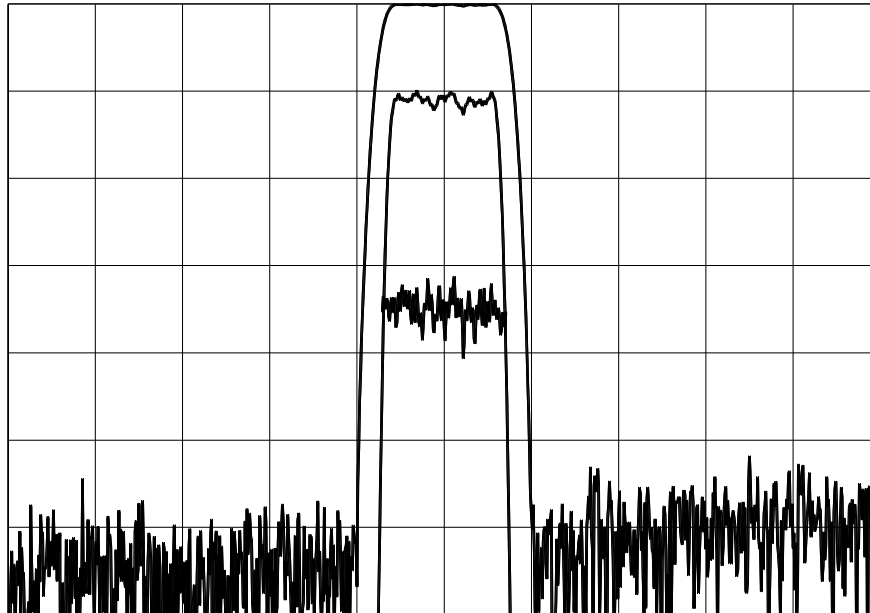


Micro Networks., 324 Clark Street, Worcester, MA 01606, USA tel: 508-852-5400, fax:508-852-8456, www.micronetworks.com

TYPICAL PERFORMANCE



Horizontal: 4 MHz/div

Vertical (from top):

Magnitude

10 dB/div

Magnitude

1 dB/div

Group Delay

50 ns./div

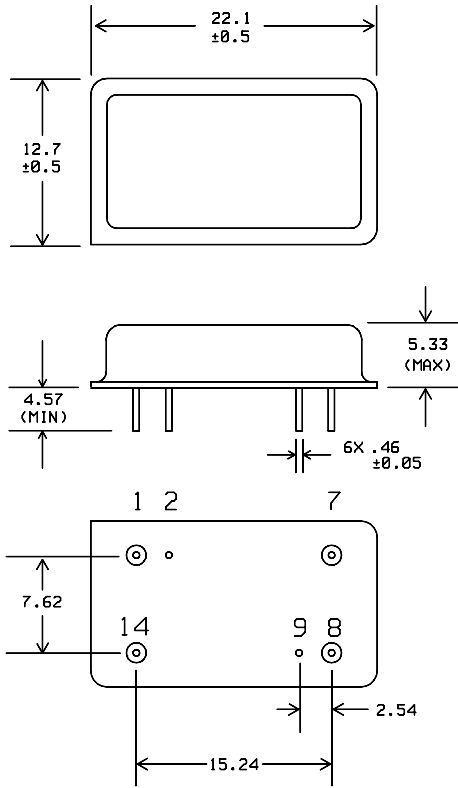
SPECIFICATION

Parameter	Min.	Typ.	Max.	Units.
Center Frequency (Fc) ¹	69.91	70.0	70.09	MHz
Insertion Loss at Fc		24	25	dB
1 dB Bandwidth	5.0	5.16		MHz
3 dB Bandwidth	5.5	5.6		MHz
40 dB Bandwidth		7.50	7.7	MHz
Passband Ripple		0.4	0.8	dB p-p
Phase Ripple		2.0	4	deg p-p
Group Delay Ripple		80	140	ns p-p
Absolute Delay		3		us
Ultimate Rejection	50	60		dB
Substrate Material	LithiumTantalate			
Ambient Temperature		25		° C

Notes:

1: Mean Value of 3 dB points

PACKAGE OUTLINE

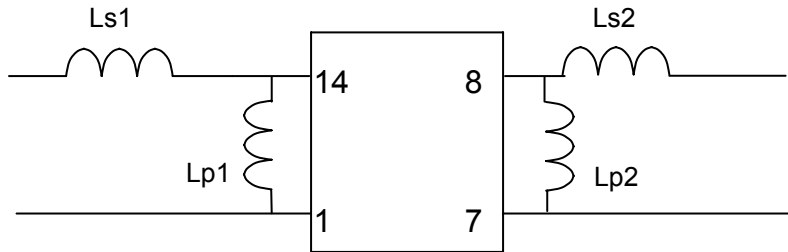


Units: mm

Pin Configuration:

Input: 14
 Input Return: 1
 Output: 8
 Output Return: 7
 Ground: 2, 9

MATCHING CIRCUIT



Component values:

$Lp1 = 338$ nH $Ls1 = 168$ nH (Minimum Q = 45)
 $Lp2 = 338$ nH $Ls2 = 168$ nH

Notes

1. Recommend use of 2% tolerance components.
2. Optimum Values depend on board layout. Values intended as guide only.

