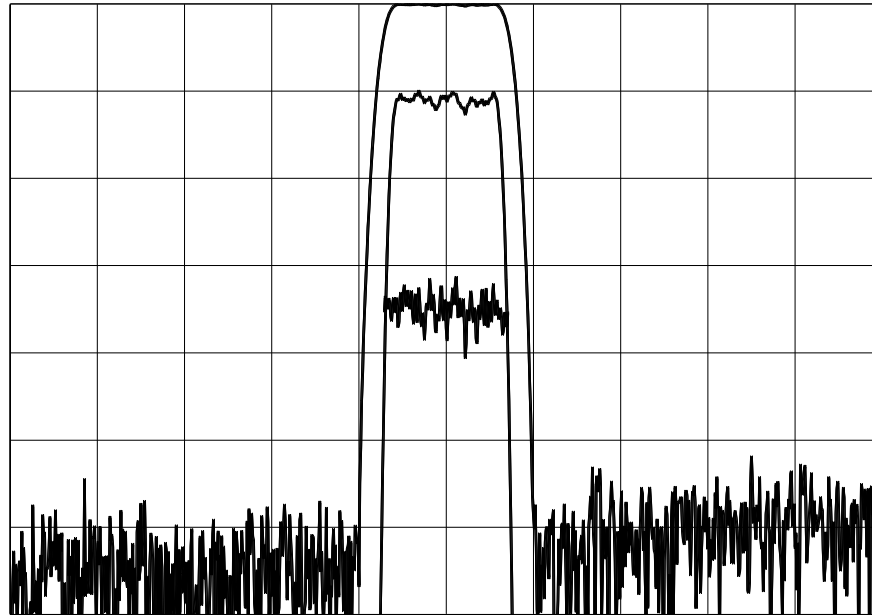


TYPICAL PERFORMANCE



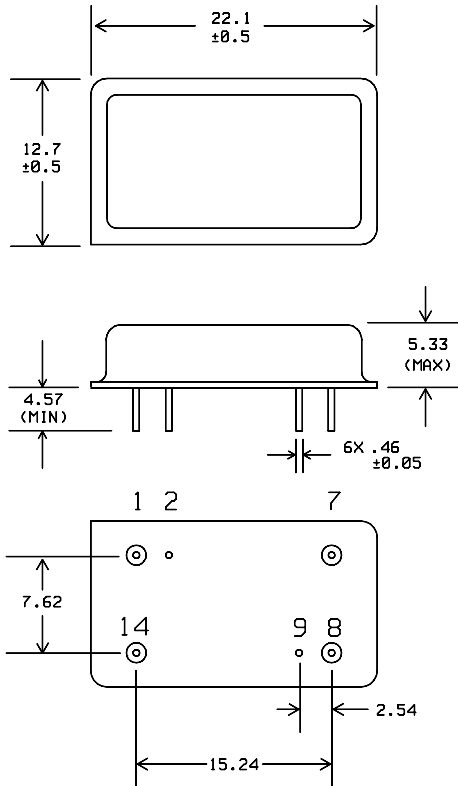
Horizontal: 4 MHz/div Vertical (from top):
 Magnitude 10 dB/div
 Magnitude 1 dB/div
 Group Delay 50 ns./div

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

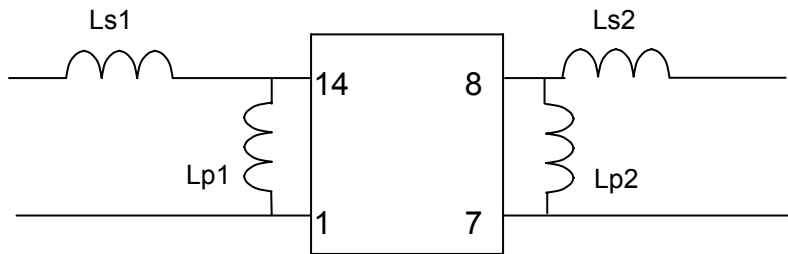


Units: mm

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.

