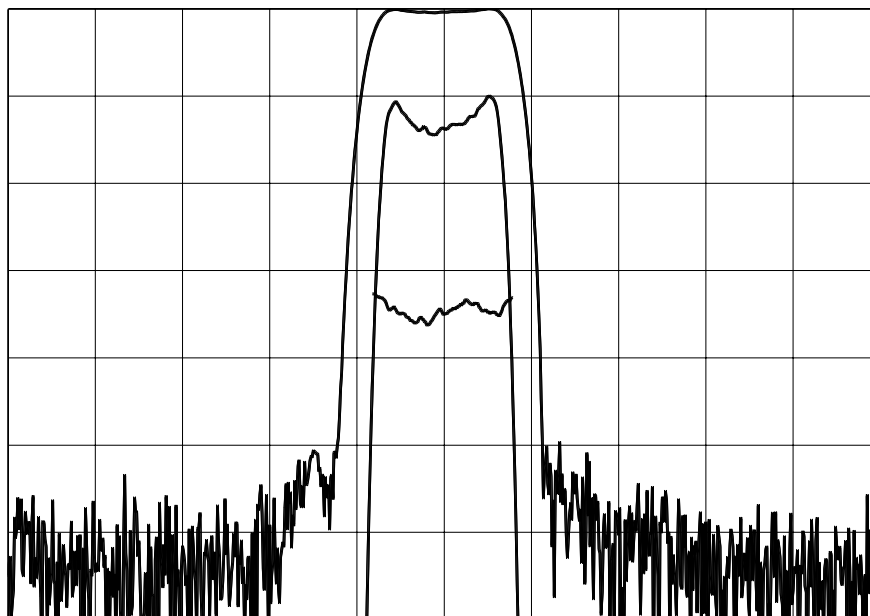


TYPICAL PERFORMANCE



Horizontal: 2.0 MHz/div Vertical (from top):
 Magnitude 10 dB/div
 Magnitude 1 dB/div
 Phase 5 deg/div

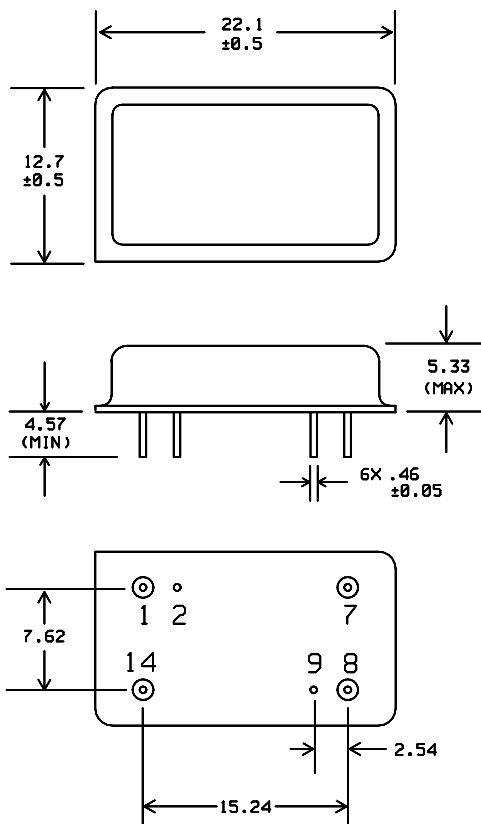
SPECIFICATION

Parameter	Min.	Typ.	Max.	Units.
Center Frequency (Fc) ¹	69.91	70.0	70.09	MHz
Insertion Loss at Fc		25.5	27	dB
1 dB Bandwidth	2.5	2.7		MHz
3 dB Bandwidth	3	3.2		MHz
40 dB Bandwidth		4.6	4.9	MHz
Passband Ripple		0.5	0.8	dB
Phase Ripple		2	6	deg p-p
Group Delay Ripple		45	90	ns p-p
Absolute Delay		2.4		us
Ultimate Rejection	50	55		dB
Substrate Material	Quartz			
Ambient Temperature		25		° C

Notes:

1: Mean Value of 3 dB points

PACKAGE OUTLINE

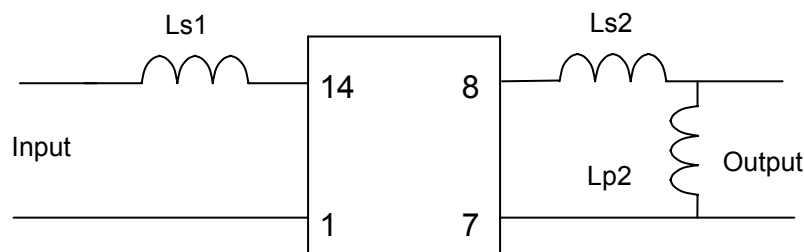


Units: mm

Pin Configuration:

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

MATCHING CIRCUIT



Component values:

$Ls1 = 330$ nH

(Minimum $Q = 45$)

$Ls2 = 357$ nH $Lp2 = 68$ nH

Notes

1: Recommend use of 2% tolerance components.

2: Optimum Values depend on board layout. Values intended as guide only.

ISO 9001
Registered