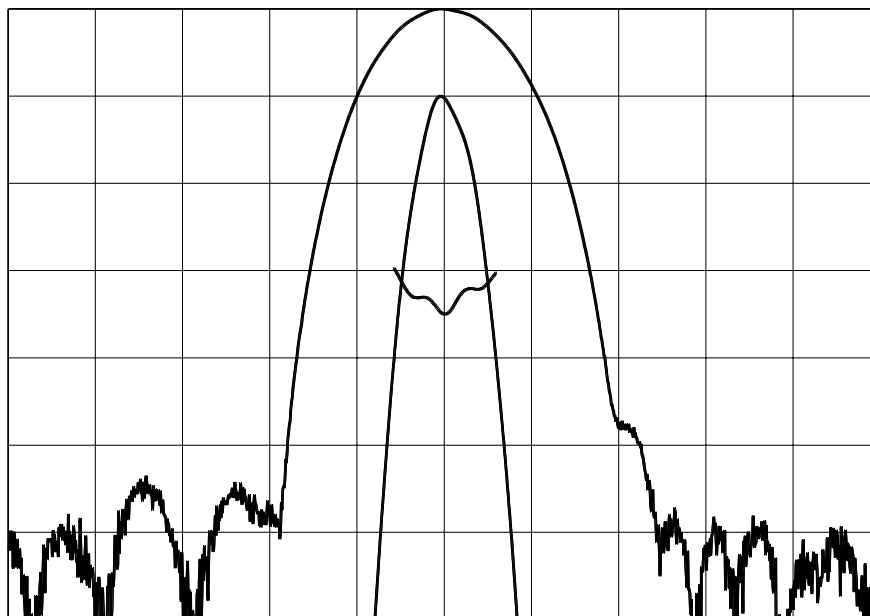




TYPICAL PERFORMANCE



Horizontal: 0.5 MHz/div

Vertical (from top):

Magnitude

10 dB/div

Magnitude

1 dB/div

Phase

5 deg/div

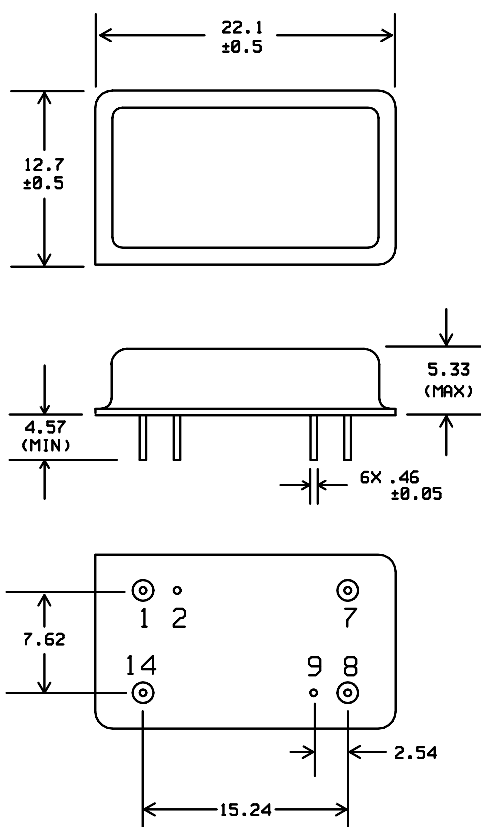
SPECIFICATION

Parameter	Min.	Typ.	Max.	Units.
Center Frequency (Fc) ¹	69.95	70.00	70.05	MHz
Insertion Loss at Fc		20	23	dB
1 dB Bandwidth	0.3	0.33		MHz
3 dB Bandwidth	0.5	0.57		MHz
40 dB Bandwidth		1.76	1.9	MHz
Passband Ripple		0.1	0.2	dB
Phase Ripple		1	3	deg p-p
Group Delay Ripple		100	300	ns p-p
Absolute Delay		2.3		us
Ultimate Rejection	50	60		dB
Substrate Material	Quartz			
Ambient Temperature		25		° C

Notes:

1: Mean Value of 3 dB points

PACKAGE OUTLINE

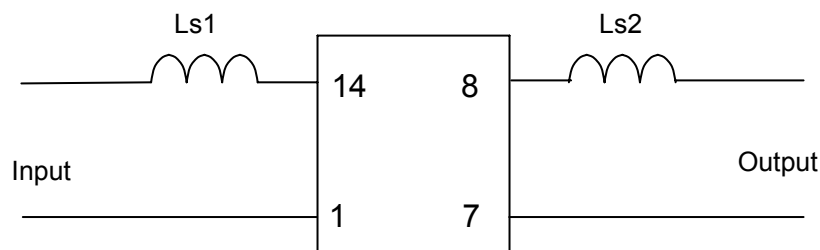


Units: mm

Pin Configuration:

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

MATCHING CIRCUIT



Component values:

$Ls1 = 510$ nH

$Ls2 = 220$ nH

(Minimum Q = 45)

Notes

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

ISO 9001
Registered

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