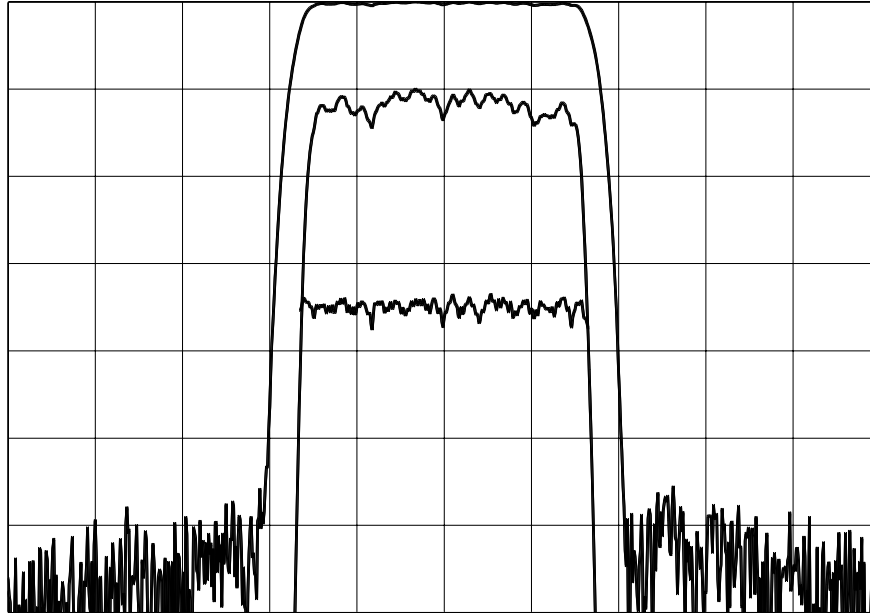


TYPICAL PERFORMANCE



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

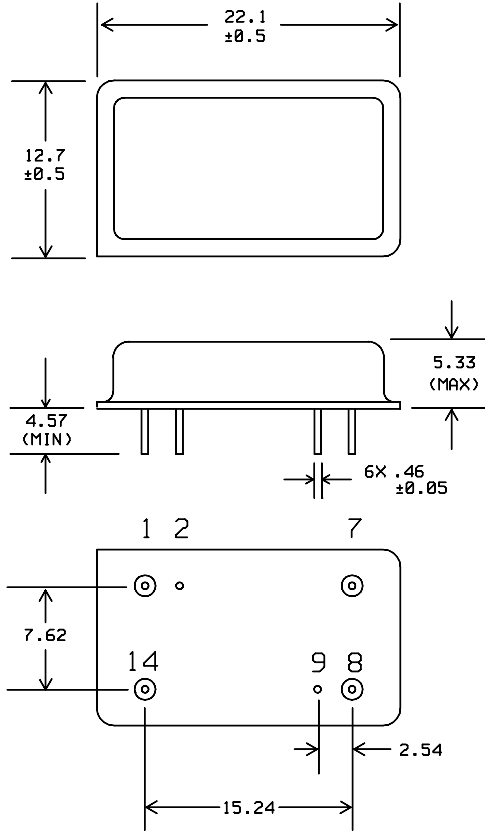
SPECIFICATION

Parameter	Min.	Typ.	Max.	Units.
Center Frequency (Fc) ¹	139.75	140.0	140.25	MHz
Insertion Loss at Fc		24.0	27	dB
1 dB Bandwidth	30	30.9		MHz
3 dB Bandwidth	32	32.8		MHz
40 dB Bandwidth		39.6	40	MHz
Passband Ripple		0.5	0.7	dB p-p
Phase Ripple		3.0	6	deg p-p
Group Delay Ripple		20	40	ns p-p
Absolute Delay		1.05		us
Ultimate Rejection	50	60		dB
Temperature Coefficient of Frequency		-96		ppm/° C
Substrate Material	YZ Lithium Niobate			
Source and Load Impedance	50			Ω
Ambient Temperature	25			° C

Notes:

1: Mean Value of 3 dB band edges.

PACKAGE OUTLINE

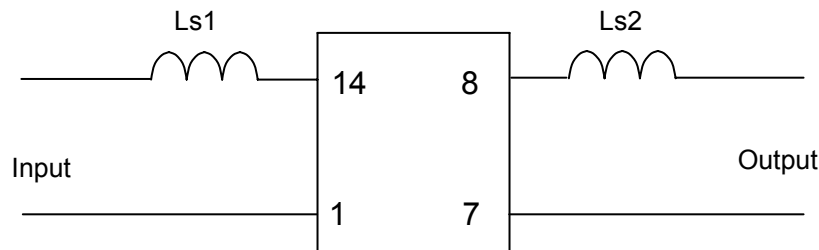


Units: mm

Pin Configuration:

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

MATCHING CIRCUIT



Component values :

Ls1 = 56 nH Ls2 = 39 nH (Minimum Q = 45)

Notes

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

