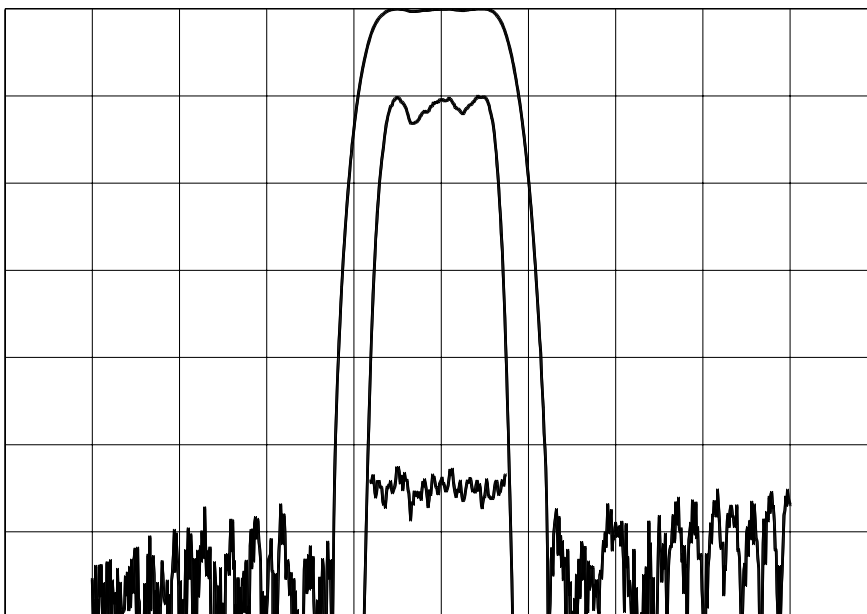




TYPICAL PERFORMANCE



Horizontal: 2.0 MHz/div Vertical (from top): Magnitude 10 dB/div
Magnitude 1 dB/div
Group Delay 100 ns./div

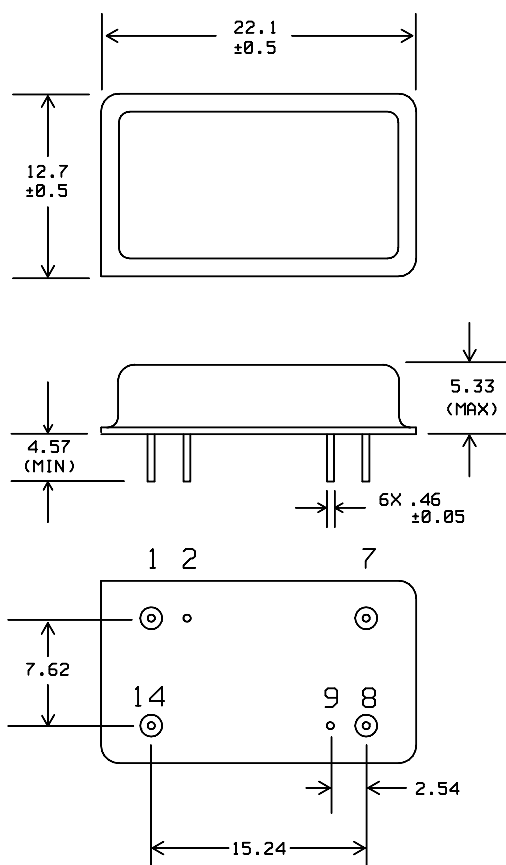
SPECIFICATION

Parameter	Min.	Typ.	Max.	Units.
Center Frequency (Fc) ¹	139.9	140.0	140.1	MHz
Insertion Loss at Fc		24.2	27.5	dB
1 dB Bandwidth	2.4	2.7		MHz
3 dB Bandwidth	3	3.1		MHz
40 dB Bandwidth		4.6	5	MHz
Passband Ripple		0.3	0.5	dB p-p
Phase Ripple		2.0	3	deg p-p
Group Delay Ripple		35	90	ns p-p
Absolute Delay		2.44		us
Ultimate Rejection	50	55		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 the 3 dB band edges.

PACKAGE OUTLINE

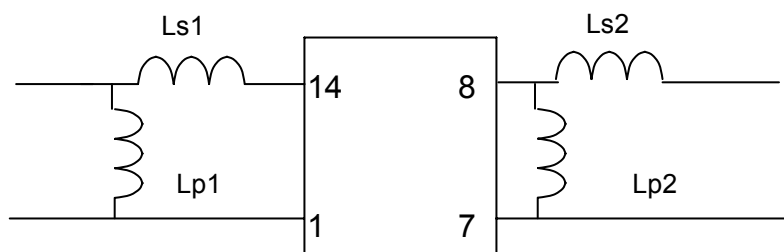


Units: mm

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)

Lp1 = 56 nH

Lp2 = 56 nH

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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