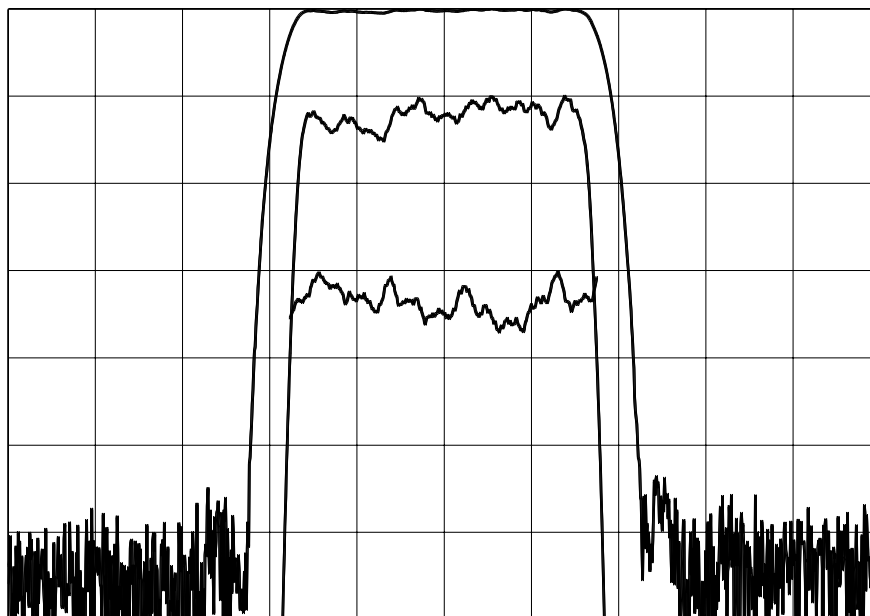




TYPICAL PERFORMANCE



Horizontal: 8.0 MHz/div Vertical (from top): Magnitude 10 dB/div
Magnitude 1 dB/div
Phase 5 deg/div

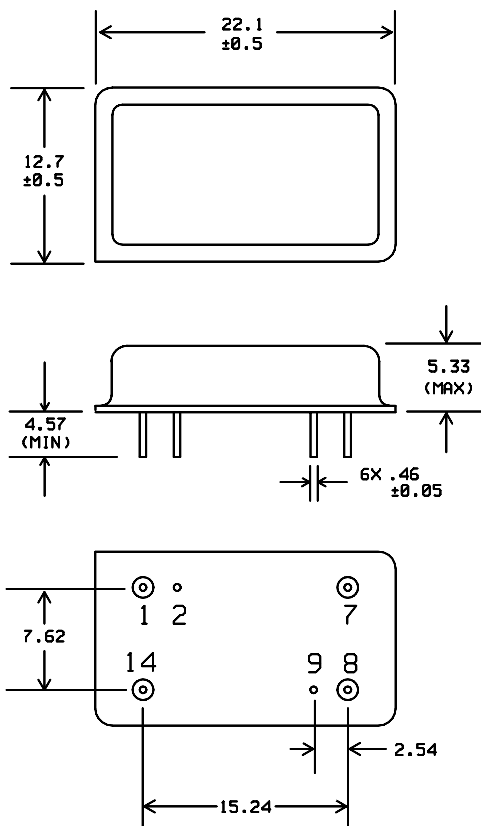
SPECIFICATION

Parameter	Min.	Typ.	Max.	Units.
Center Frequency (Fc) ¹	139.75	140.0	140.25	MHz
Insertion Loss at Fc		24.8	26.5	dB
1 dB Bandwidth	26.4	26.8		MHz
3 dB Bandwidth	28	28.4		MHz
40 dB Bandwidth		34.8	36	MHz
Passband Ripple		0.5	0.7	dB p-p
Phase Ripple		3.0	6	deg p-p
Group Delay Ripple		20.0	50	ns p-p
Absolute Delay		1.04		us
Ultimate Rejection	50	60		dB
Temperature Coefficient of Frequency		-80		ppm/° C
Substrate Material	128 Lithium Niobate			
Source and Load Impedance		50		Ω
Ambient Temperature		25		° C

Notes:

1: Mean Value of 3 dB band edges.

PACKAGE OUTLINE

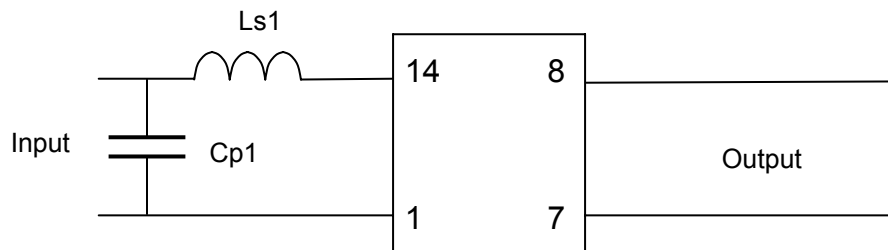


Units: mm

Pin Configuration:

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

MATCHING CIRCUIT



Component values:

$Ls1 = 47 \text{ nH}$
 $Cp1 = 18 \text{ pF}$

(Minimum $Q = 45$)

Notes

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

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