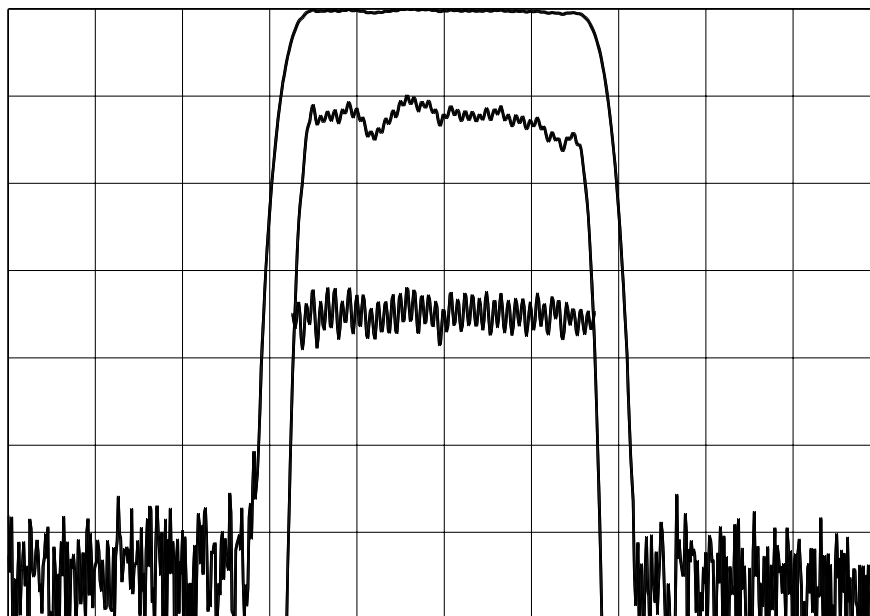




TYPICAL PERFORMANCE



Horizontal: 3.0 MHz/div Vertical (from top): Magnitude 10 dB/div
Magnitude 1 dB/div
Group Delay 100 ns/div

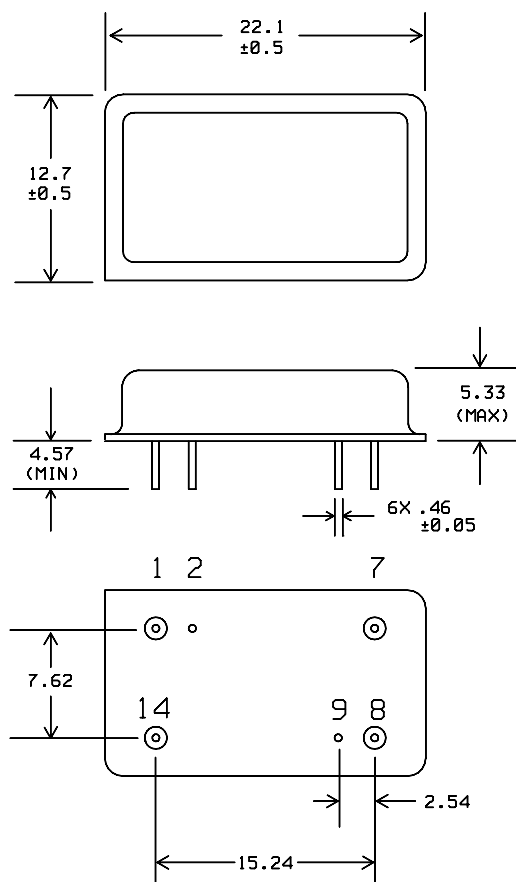
SPECIFICATION

Parameter	Min.	Typ.	Max.	Units.
Center Frequency (Fc) ¹	139.8	140.0	140.2	MHz
Insertion Loss at Fc		22.0	24	dB
1 dB Bandwidth	9.3	9.7		MHz
3 dB Bandwidth	10	10.4		MHz
40 dB Bandwidth		12.4	13	MHz
Passband Ripple		0.5	0.7	dB p-p
Phase Ripple		4.0	7	deg p-p
Group Delay Ripple		60	150	ns p-p
Absolute Delay		1.7		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

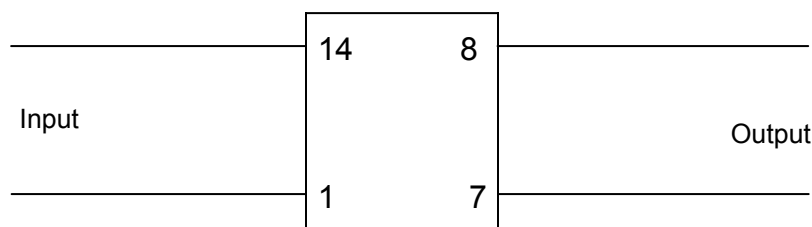


Units: mm

Pin Configuration:

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

MATCHING CIRCUIT



No Tuning Required

ISO 9001
Registered