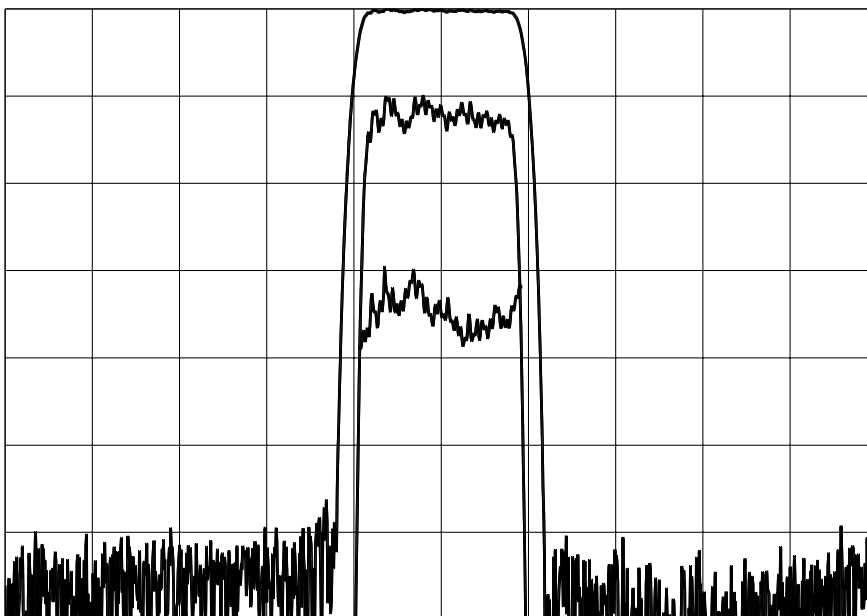




Micro Networks., 324 Clark Street, Worcester, MA 01606, USA tel: 508-852-5400, fax:508-852-8456, www.micronetworks.com

TYPICAL PERFORMANCE



Horizontal: 5.0 MHz/div

Vertical (from top):

Magnitude

10 dB/div

Magnitude

1 dB/div

Phase

5 deg/div

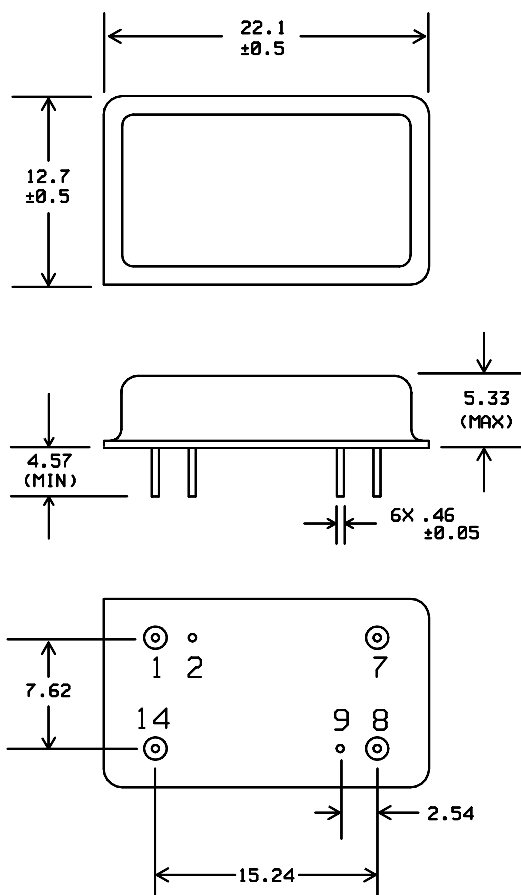
SPECIFICATION

Parameter	Min.	Typ.	Max.	Units.
Center Frequency (Fc) ¹	139.8	140.0	140.2	MHz
Insertion Loss at Fc		21.5	23.5	dB
1 dB Bandwidth	8.5	8.8		MHz
3 dB Bandwidth	9	9.3		MHz
40 dB Bandwidth		11.4	11.7	MHz
Passband Ripple		0.5	0.7	dB
Phase Ripple		3.5	7	deg p-p
Group Delay Ripple		100	210	ns p-p
Absolute Delay		2.05		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

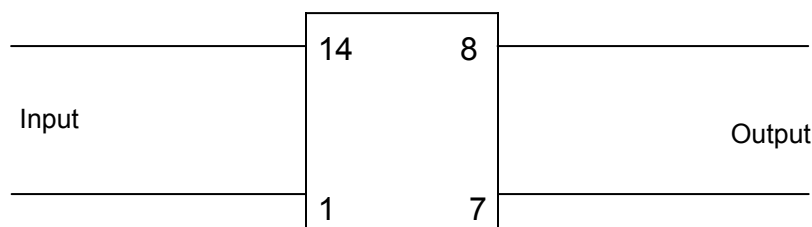


Units: mm

Pin Configuration:

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

MATCHING CIRCUIT



No Matching required

ISO 9001
Registered