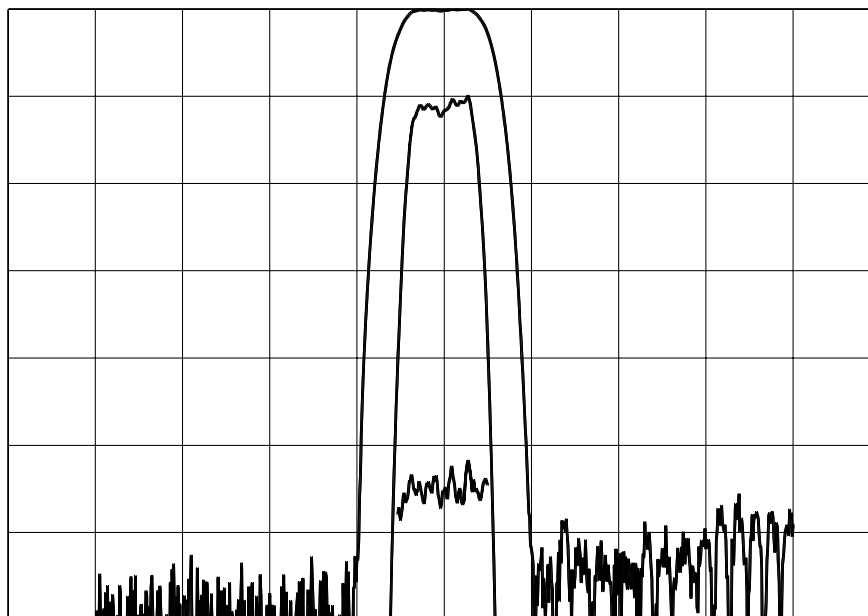


TYPICAL PERFORMANCE



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

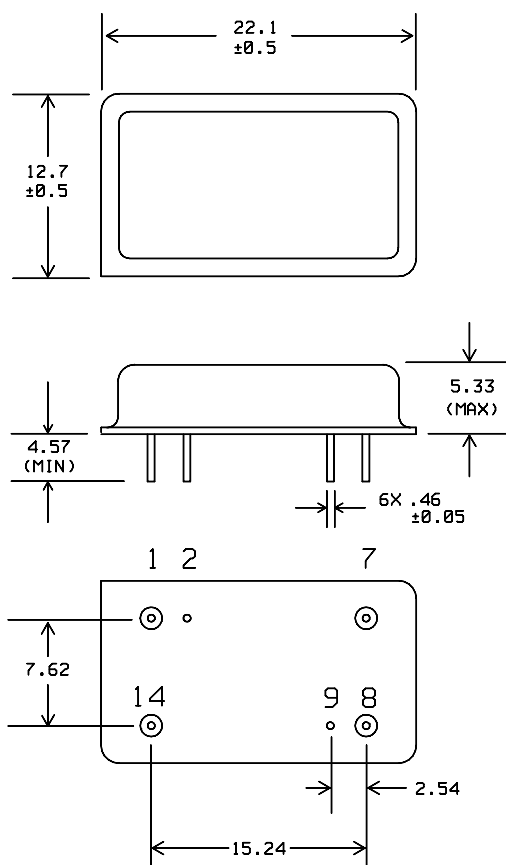
SPECIFICATION

Parameter	Min.	Typ.	Max.	Units.
Center Frequency (Fc) ¹	139.9	140.0	140.1	MHz
Insertion Loss at Fc		22.0	26	dB
1 dB Bandwidth	1.65	1.72		MHz
3 dB Bandwidth	2	2.09		MHz
40 dB Bandwidth		3.6	3.9	MHz
Passband Ripple		0.2	0.6	dB
Phase Ripple		1.8	3	deg p-p
Group Delay Ripple		40	120	ns p-p
Absolute Delay		2.68		us
Ultimate Rejection	50	60		dB
Temperature Coefficient of Frequency		-96		ppm/° C
Substrate Material	YZ LiNbO3			
Source and Load Impedance	50			Ω
Ambient Temperature		25		° C

Notes:

1: Mean value of the 3 dB band edges.

PACKAGE OUTLINE

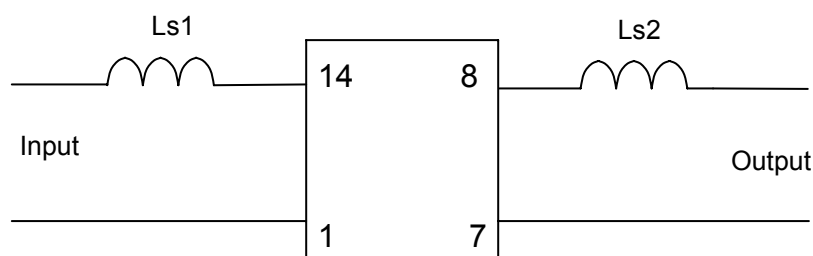


Units: mm

Pin Configuration:

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

MATCHING CIRCUIT



Component values:

Ls1 = 56 nH

Ls2 = 68 nH

(Minimum Q = 45)

Notes

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

ISO 9001
 Registered

Micro Networks

Worldwide Headquarters: 324 Clark Street Worcester, MA 01606. tel: 508-852-5400 fax: 508-852-8456
 European Sales Headquarters: Hertosingel 20 6214 AD Maastricht, Netherlands. tel: +31-43-32-70912 fax: +31-43-32-70715
www.micronetworks.com