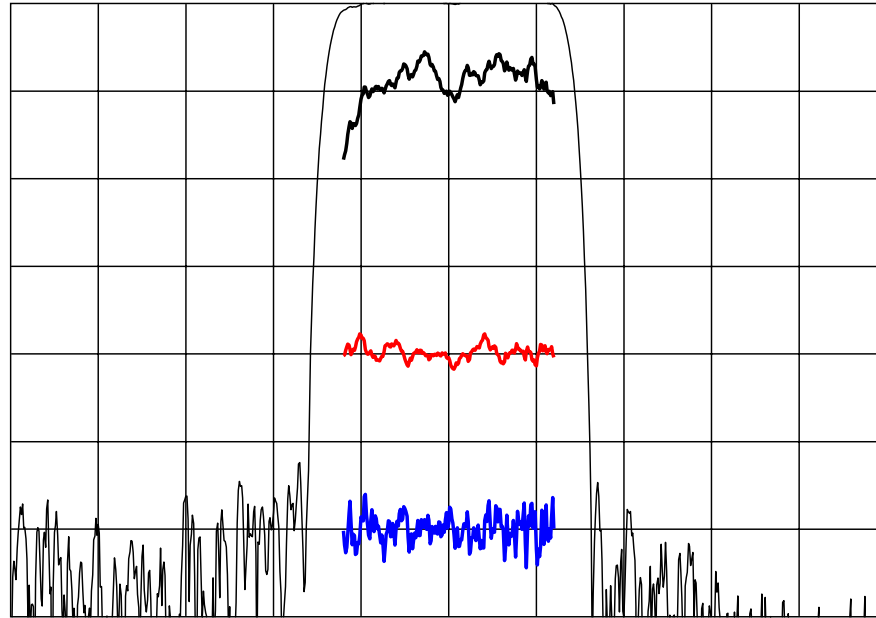




**TYPICAL PERFORMANCE**



Horizontal: 10 MHz/div      Vertical (from top):  
 Magnitude                      10 dB/div  
 Magnitude                      1 dB/div  
 Phase Linearity                8 deg/div  
 Group Delay Deviation        30 ns/div

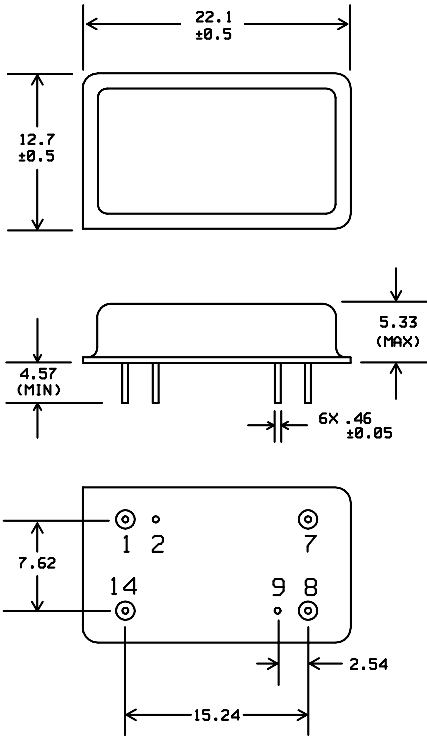
**SPECIFICATION**

Parameter	Min.	Typ.	Max.	Units.
Center Frequency ( Fc ) <sup>1</sup>	69.8	70.0	70.2	MHz
Insertion Loss at Fc		22.4	25.5	dB
1 dB Bandwidth <sup>2</sup>	24.5	24.56		MHz
3 dB Bandwidth	26.0	26.1		MHz
40 dB Bandwidth		31.4	34	MHz
Passband Ripple <sup>3</sup>		0.5	1.0	dB p-p
Phase Ripple		3.5	6	deg p-p
Group Delay Ripple		30	35	ns p-p
Absolute Delay		1.4		us
Ultimate Rejection	50	60		dB
Substrate Material	128 Lithium Niobate			
Ambient Temperature		25		° C

- Notes:
1. Average of the lower and upper 3 dB band edge frequencies.
  2. Relative to level at Fc.
  3. Excludes band edge transitions.
  4. A smoothing aperture of 250 kHz may be applied to Group Delay Ripple measurement.



**PACKAGE OUTLINE**

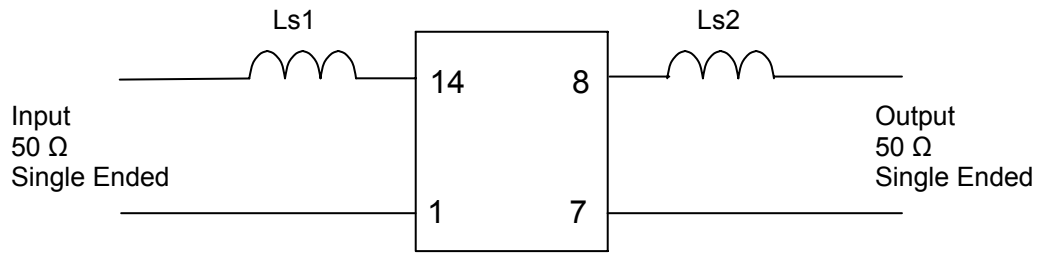


**Units: mm**

**Pin Configuration:**

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

**MATCHING CIRCUIT**



Component values: Ls1 = 397 nH  
(Minimum Q = 45)

Ls2 = 338 nH

**Notes**

- Recommend use of 2% tolerance components.
- Tuning values shown are for reference only. Optimum values may change depending upon board layout.

