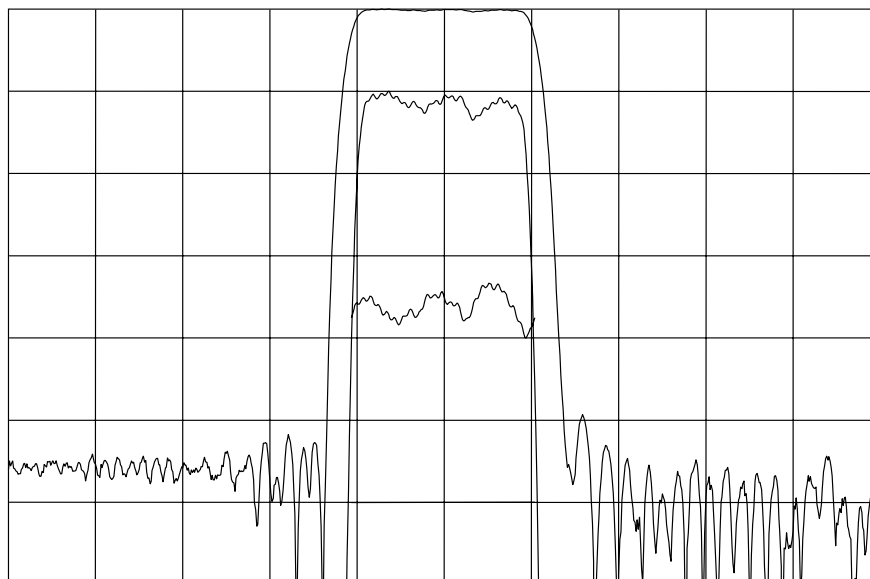



**TYPICAL PERFORMANCE**


Horizontal: 2 MHz/div

Vertical (from top):

Magnitude

10 dB/div

Magnitude

1 dB/div

Phase Linearity

5 deg/div

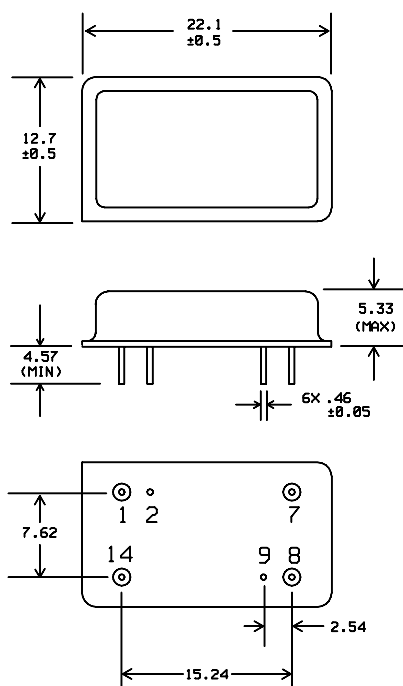
**SPECIFICATION**

| Parameter                          | Min    | Typ    | Max    | Units   |
|------------------------------------|--------|--------|--------|---------|
| Center Frequency (Fc) <sup>1</sup> | 159.90 | 160.00 | 160.10 | MHz     |
| 3 dB Bandwidth                     | 4.00   | 4.17   |        | MHz     |
| 40 dB Bandwidth                    |        | 5.28   | 5.80   | MHz     |
| Delay                              |        | 2.76   |        | μsec    |
| Input Power                        |        |        | +10    | dBm     |
| Insertion Loss                     |        | 23.3   | 25.0   | dB      |
| Source and Load Impedance          |        | 50     |        | Ω       |
| Phase Linearity <sup>2</sup>       |        | 2.7    | 5      | deg p-p |
| Passband Variation <sup>2</sup>    |        | 0.45   | 0.7    | dB p-p  |
| Rejection (10 to 156 MHz)          | 50     | 54     |        | dB      |
| Rejection (156 to Fo-2.9 MHz)      | 45     | 48     |        | dB      |
| Rejection (Fo+2.9 to 164 MHz)      | 45     | 48     |        | dB      |
| Rejection (164 to 280 MHz)         | 50     | 54     |        | dB      |
| Operating Temperature Range        |        | 23     |        | ° C     |

- Notes: 1. All specified bandwidths are centered at or referenced to this frequency.  
2. Computed as the delta of the highest and lowest points inside the 3 dB Bandwidth.



## PACKAGE OUTLINE

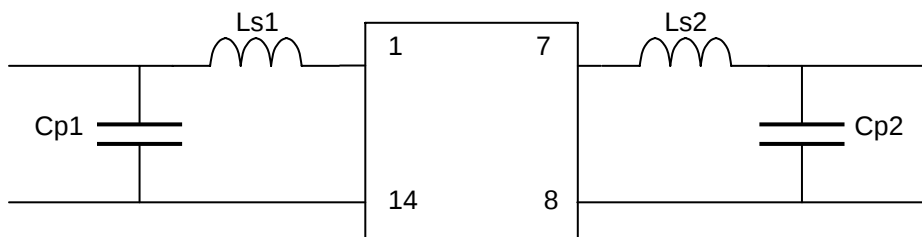


Units: mm

### Pin Configuration:

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

## MATCHING CIRCUIT



Typical component values:

$Ls1 = 100$  nH  
 $Cp1 = 33$  pF

$Ls2 = 100$  nH  
 $Cp2 = 24$  pF

(Minimum inductor  $Q = 40$ )

### Notes

- Maximum 2% tolerance matching components shall be used.
- Tuning values shown are for reference only. Optimum values may change depending upon board layout.

ISO 9001  
Registered

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