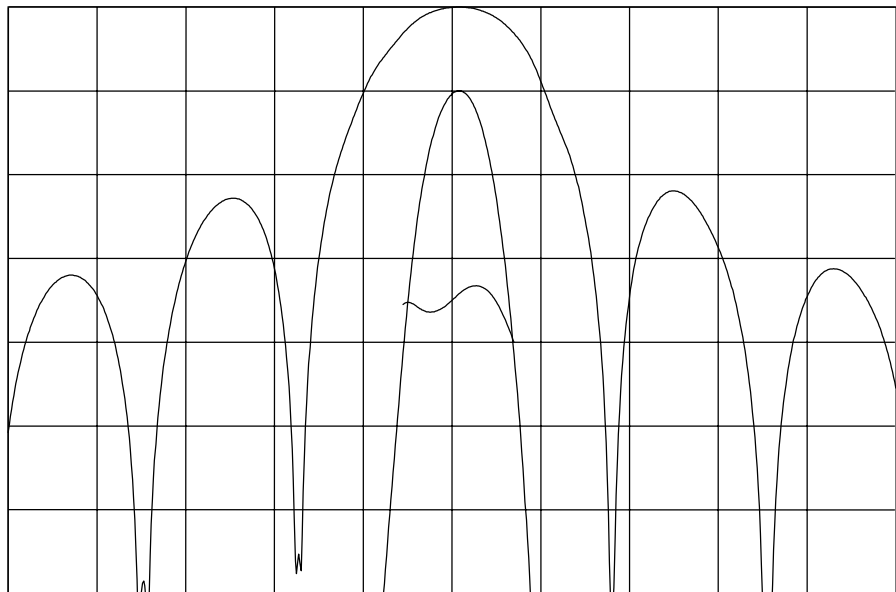


TYPICAL PERFORMANCE



Horizontal: 2.0 MHz/div

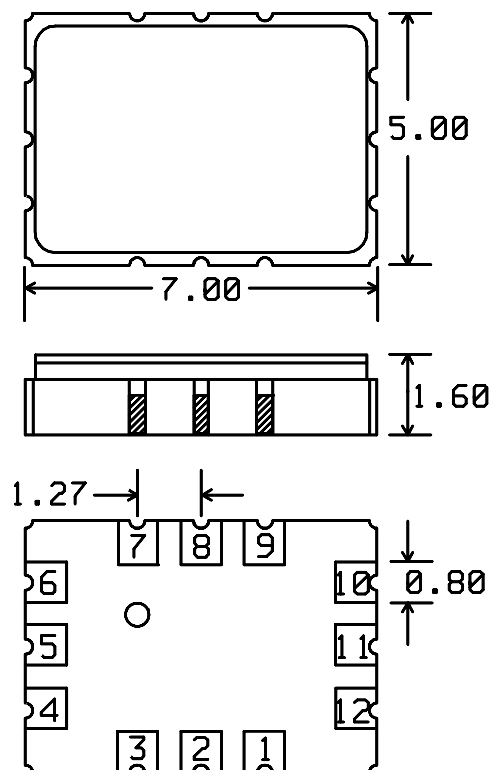
Vertical (from top): Magnitude 10 dB/div
Magnitude 1 dB/div
Phase 5 deg/div

SPECIFICATION

Parameter	Min	Typ	Max	Units
Center Frequency (Fc) ¹	666.50	666.56	666.60	MHz
Insertion Loss		9.2	10	dB
3 dB Bandwidth		2.00		MHz
10 dB Bandwidth	3.10	3.60		MHz
Phase Linearity (in 3 dB BW)		6	10	deg p-p
Phase Slope (in 3 dB BW)		360		deg
Insertion Phase ²		40		deg
Turn Over Temperature	35	45	55	° C
Source and Load Impedance		50		Ω
Input Power		+10	+15	dBm
Operating Temperature Range	-30		100	° C

Notes: 1. Any specified bandwidths are referenced to this frequency.
2. Parameter measured at Fc.

PACKAGE OUTLINE

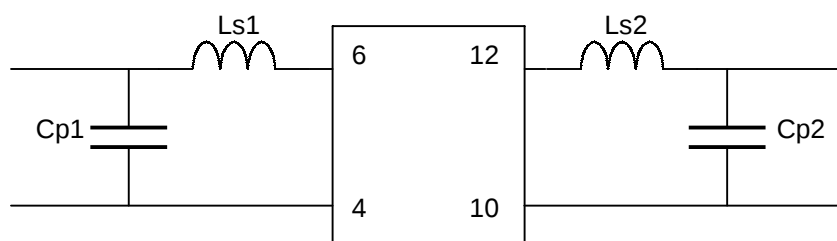


Units: mm

Pin Configuration:

Input:	6
Input Return:	4
Output:	12
Output Return:	10
Ground:	1,2,3,5,7,8,9,11

MATCHING CIRCUIT



Typical component values:

$Ls1 = 15 \text{ nH}$
 $Cp1 = 12 \text{ pF}$

$Ls2 = 15 \text{ nH}$
 $Cp2 = 9.1 \text{ pF}$

(minimum inductor $Q = 45$)

- Notes
- Requires 2% matching components.
 - Component values may change depending on board layout.

**ISO 9001
Registered**

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