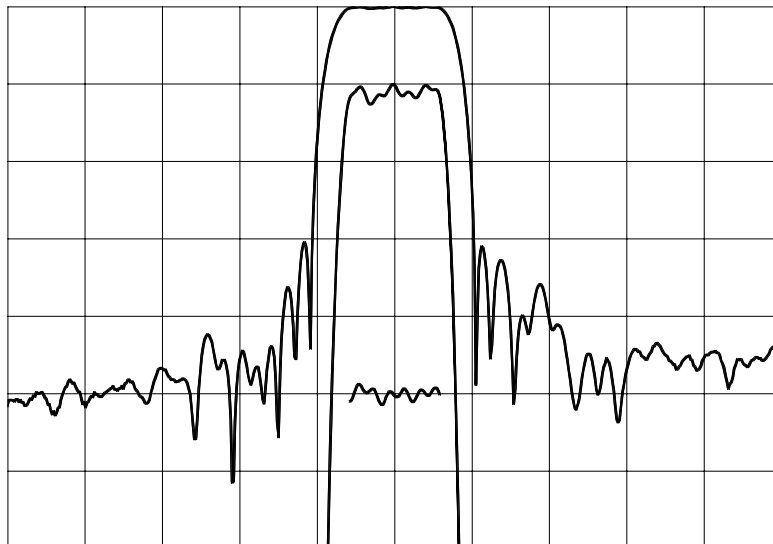


TYPICAL PERFORMANCE



Horizontal: 1 MHz/div

Vertical (from top): Magnitude
Magnitude
Phase

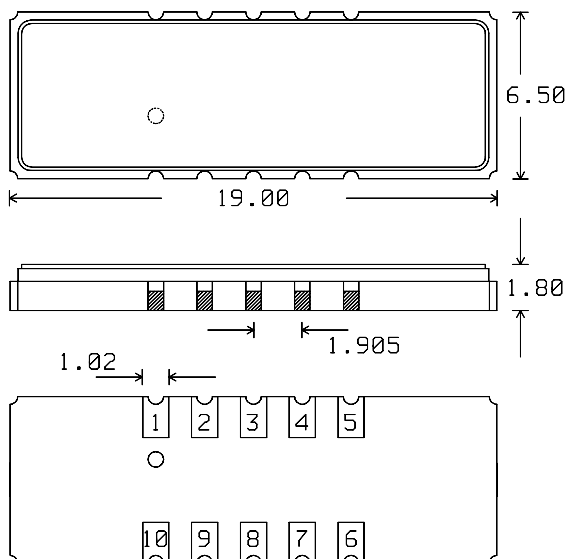
10 dB/div
1 dB/div
5 deg/div

SPECIFICATION

Parameter	Min	Typ	Max	Units
Center Frequency (Fc) ¹		150		MHz
Insertion Loss			25	dB
0.5 dB Bandwidth	1.18			MHz
5 dB Bandwidth			1.77	MHz
15 dB Bandwidth			2.50	MHz
30 dB Bandwidth			4.50	MHz
Rejection (75 MHz to 147.75 MHz)	30			dB
Rejection (152.25 MHz to 225 MHz)	30			dB
Passband Amplitude Ripple ²			0.6	dB p-p
Passband Phase Linearity ²			5	deg p-p
Integrated Phase Error ²			0.0015	rad ²
Return Loss	10			dB
Triple Travel Suppression	30			dB
Input Power			+10	dBm
Operating Temperature Range	0	23	80	°C
Source and Load Impedance		50		Ω

Notes: 1. Fixed reference. All specified bandwidths are centered at this frequency.
2. Over center 1.18 MHz.

PACKAGE OUTLINE

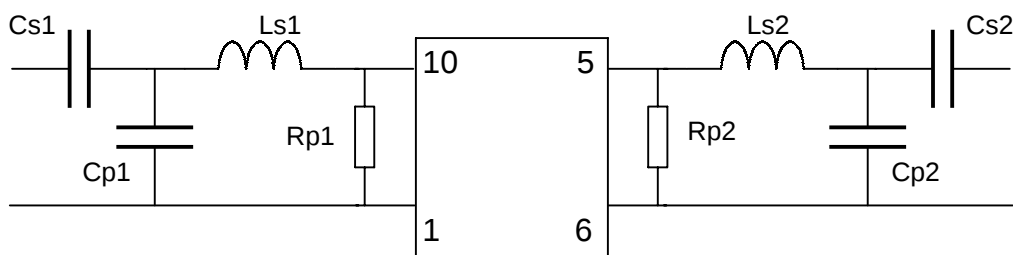


Units: mm

Pin Configuration:

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

MATCHING CIRCUIT



Typical component values: $R_{p1} = 330 \, \Omega$ $L_{s1} = 92 \, \text{nH}$ $C_{p1} = 18 \, \text{pF}$ $C_{s1} = 68 \, \text{pF}$
(minimum inductor $Q = 40$) $R_{p2} = 330 \, \Omega$ $L_{s2} = 100 \, \text{nH}$ $C_{p2} = 18 \, \text{pF}$ $C_{s2} = 68 \, \text{pF}$

- Notes
- Requires 2% inductors, 5% resistors/capacitors.
 - Component values may change depending on board layout.
 - All pins other than 1,5,6 & 10 are connected together internally to the package

ISO 9001
Registered

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