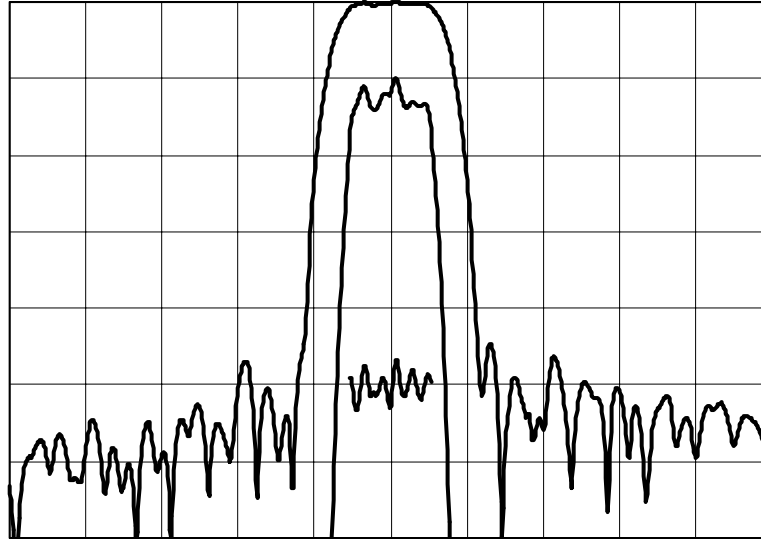




TYPICAL PERFORMANCE



Horizontal: 1 MHz/div

Vertical (from top):

Magnitude

10 dB/div

Magnitude

1 dB/div

Group Delay

200 nsec/div

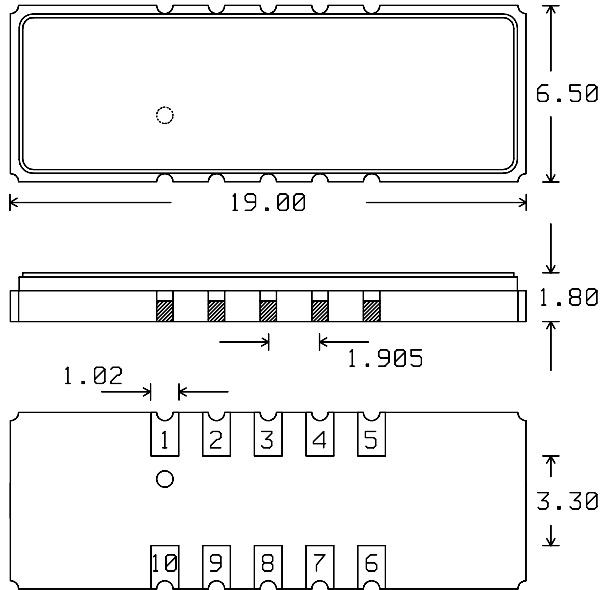
SPECIFICATION

Parameter	Min	Typ	Max	Units
Center Frequency (Fc) ¹		141		MHz
Insertion Loss at Fc		11	14	dB
Passband Width ²		1.05		MHz
3.75 dB Bandwidth	1.18	1.4		MHz
42.5 dB Bandwidth		2.3	2.5	MHz
Stopband rejection (79.75 to 139.75 MHz and 142.25 MHz to 202.25 MHz)	42.5	47		dB
Passband Amplitude Ripple ³		0.8	1.0	dB p-p
Passband Group Delay Ripple ³		160	300	ns p-p
Return Loss at Input and Output ³	10	13		dB
Passband Phase Linearity ⁴		0.8	2.0	deg rms
Absolute Delay	2.34	2.39	2.54	μs
Source and Load Impedance		50		Ω
Operating Temperature Range	0		+85	° C

- Notes:
1. Fixed reference. All bandwidths are specified centered at this frequency.
 2. Defined bandwidth. Other parameters are specified over this bandwidth.
 3. Over the passband width.
 4. Over 141 MHz +/- 630 kHz.
 5. When matched using external components as described below.



PACKAGE OUTLINE

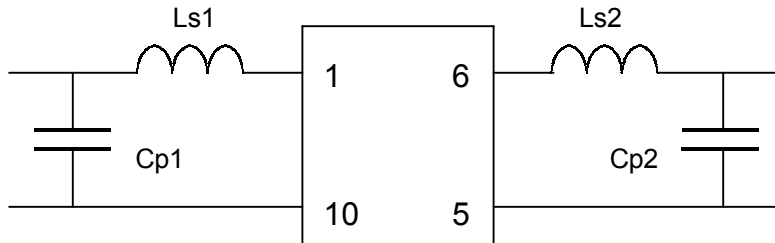


Units: mm

Pin Configuration:

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

MATCHING CIRCUIT



Typical component values:
(minimum Q = 45)

Ls1 = 120 nH
Cp1 = 56 pF

Ls2 = 110 nH
Cp2 = 56 pF

Notes

- May require 2% matching components or variable inductors in order to meet the return loss / VSWR specification.
- Component values change depending on board layout. The values shown here are intended as a guide only.

