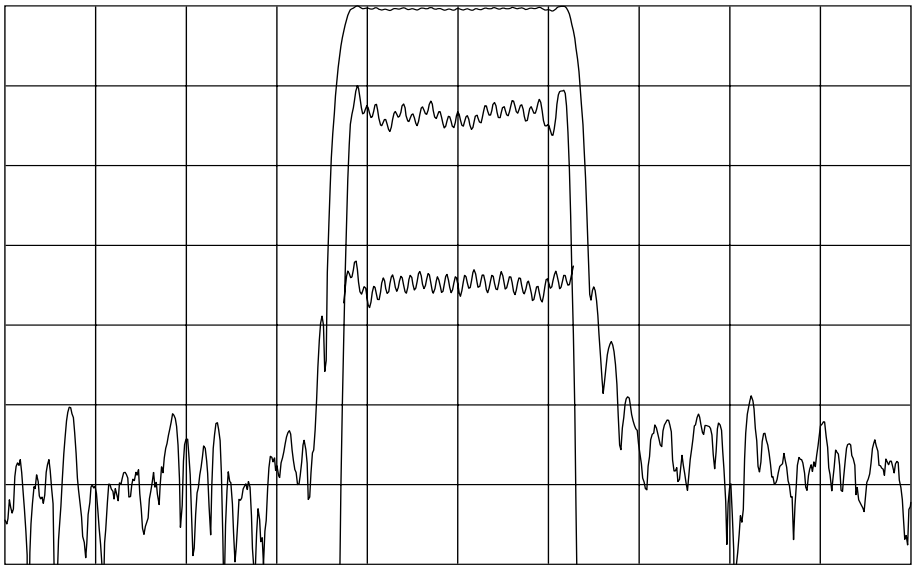
TYPICAL PERFORMANCE



Horizontal: 2 MHz/div

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

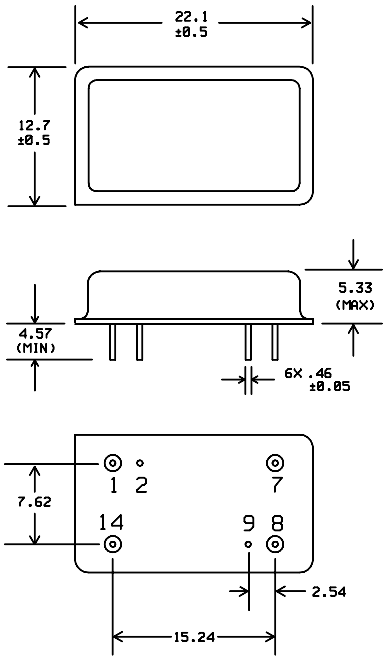
SPECIFICATION

Parameter	Min	Typ	Max	Units
Center Frequency (Fc, 3dB points)		140.00		MHz
Insertion Loss (at Fc)			25	dB
1 dB Bandwidth [2]	4.70			MHz
3 dB Bandwidth [2]	5.00			MHz
40 dB Bandwidth [2]			7.00	MHz
Device Delay			2.60	us
Group Delay Deviation (in 1dB BW) [3]			150	ns p-p
Phase Linearity (in 1dB BW)			5	deg p-p
Passband Ripple (in 1dB BW)			0.7	dB p-p
Rejection (70 to 127.5 MHz) [2]	50			dB
Rejection (162.5 to 210 MHz) [2]	50			dB
Input Return Loss (80% 1 dB Bandwidth)		14		dB
Output Return Loss (80% 1 dB Bandwidth)		14		dB
System Source and Load Impedance		50		Ω
Temperature Coefficient		-35		ppm/°C
Input Power			+10	dBm
Operating Temperature Range		23		° C

Notes:
1. All specifications apply at 23C.
2. Parameter is measured relative to the insertion loss at 140 MHz.
3. This parameter is to be measured after applying a smoothing aperture of 250 kHz.

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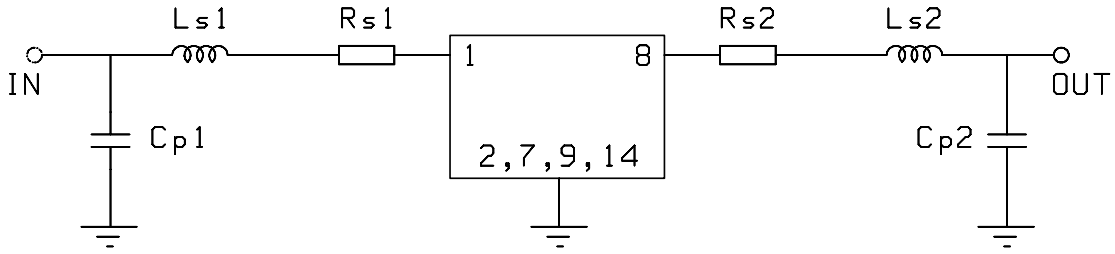
PACKAGE OUTLINE



Units: mm

Pin Configuration:
Input: 1
Output: 8
Ground: 2,7,9,14

MATCHING CIRCUIT



Typical component values:

Ls1 = 43 nH	Ls2 = 47 nH
Cp1 = 33 pF	Cp2 = 33 pF
Rs1 = 10 ohm	Rs2 = 7.5 ohm

(Minimum inductor Q = 40)

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

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