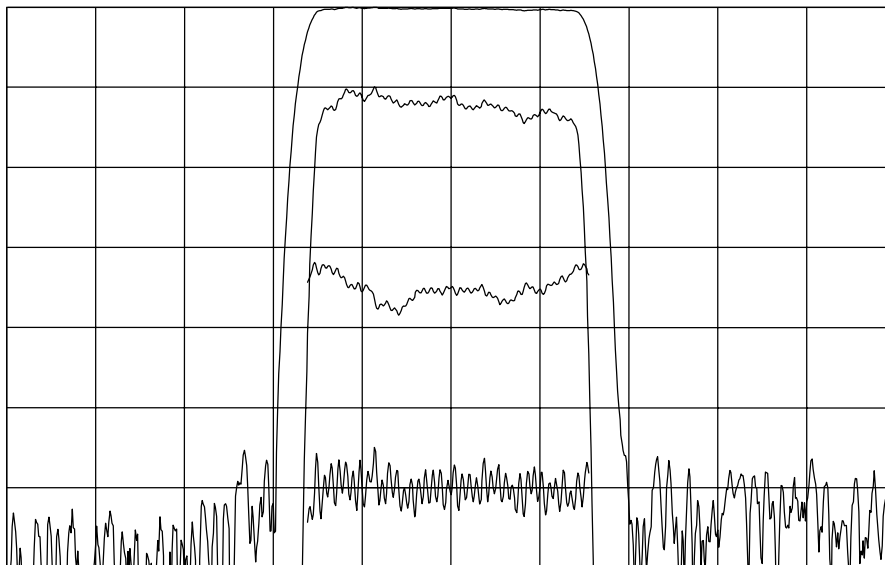




TYPICAL PERFORMANCE



Horizontal: 3.0 MHz/div

Vertical (from top): Magnitude 10 dB/div
Magnitude 1 dB/div
Phase 5 deg/div
Group delay 50 nsec/div

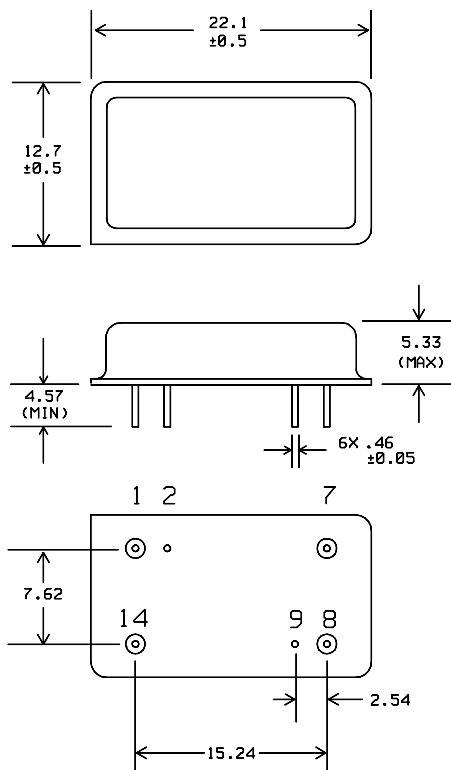
SPECIFICATION

Parameter	Min	Typ	Max	Units
Center Frequency (Fc) ¹	139.80	140.00	140.20	MHz
1 dB Bandwidth	8.50	8.90		MHz
3 dB Bandwidth	9.00	9.40		MHz
45 dB Bandwidth		11.34	11.70	MHz
Rejection (35 MHz to 133 MHz) ²	50	>50		dB
Rejection (147 MHz to 210 MHz) ²	50	>50		dB
Input Power			+10	dBm
Minimum Insertion Loss		23.5	25.0	dB
Source and Load Impedance		50		Ω
Passband Amplitude Ripple ³		0.6	0.8	dB p-p
Passband Phase Ripple ³		3.5	5.0	deg p-p
Passband Group Delay Deviation ³		60	100	nsec p-p
Temperature Coefficient		-95		ppm/°C
Operating Temperature Range		23		°C

- Notes: 1. This parameter is taken from the 3 dB bandwidth points.
2. Referenced to the minimum loss of the device.
3. Defined as the difference between the highest and lowest levels within the 1 dB bandwidth.



PACKAGE OUTLINE

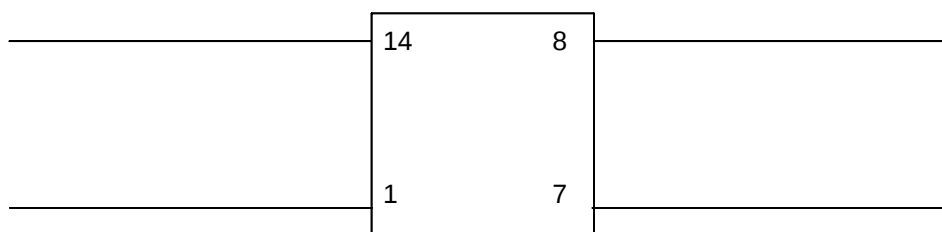


Units: mm

Pin Configuration:

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

MATCHING CIRCUIT



Typical component values: None required

ISO 9001
Registered

Micro Networks Corporation

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