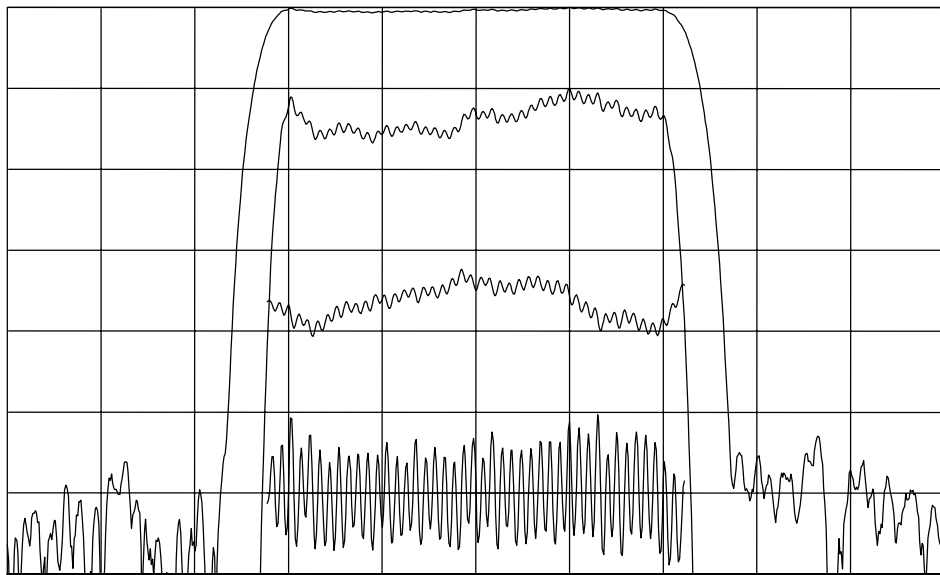




TYPICAL PERFORMANCE



Horizontal: 2.0 MHz/div

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

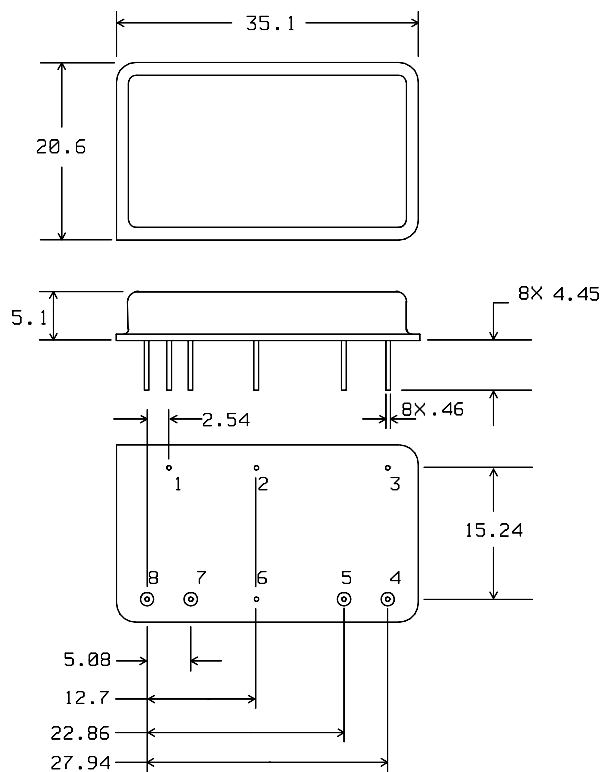
SPECIFICATION

Parameter	Min	Typ	Max	Units
Center Frequency (Fc) ¹	69.90	70.00	70.10	MHz
1 dB Bandwidth	8.15	8.46		MHz
3 dB Bandwidth	8.75	8.90		MHz
50 dB Bandwidth		10.67	10.90	MHz
Rejection (35 MHz to 63 MHz) ²	50	>50		dB
Rejection (77 MHz to 135 MHz) ²	50	>50		dB
Input Power			+10	dBm
Minimum Insertion Loss		17.0	22.0	dB
Source and Load Impedance		50		Ω
Passband Amplitude Ripple ³		0.7	1.0	dB p-p
Passband Phase Ripple ³		4.0	7.0	deg p-p
Passband Group Delay Deviation ³		90	120	ns 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

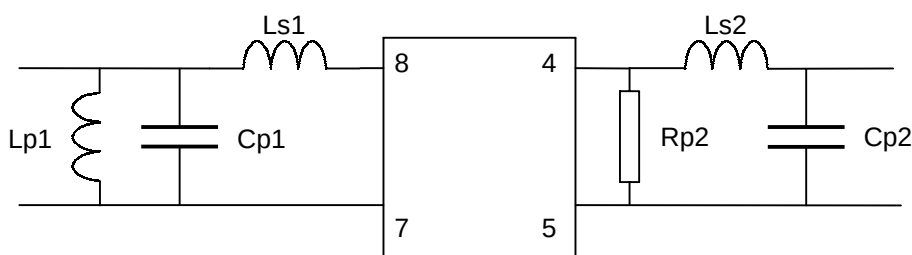


Units: mm

Pin Configuration:

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

MATCHING CIRCUIT



Typical component values: Lp1 = 56 nH Rp2 = 1.0 kohm
(minimum inductor Q = 45) Cp1 = 33 pF Ls2 = 180 nH
 Ls1 = 120 nH Cp2 = 33 pF

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

ISO 9001
Registered

Micro Networks Corporation

Worldwide Headquarters ■ 324 Clark Street ■ Worcester, MA 01606 ■ tel: 508-852-5400 ■ fax: 508-852-8456
European Sales Headquarters ■ Hertosingel 20 ■ 6214 AD Maastricht ■ The Netherlands ■ tel: +31-43-32-70915 ■ fax: +31-43-32-70715
www.micronetworks.com