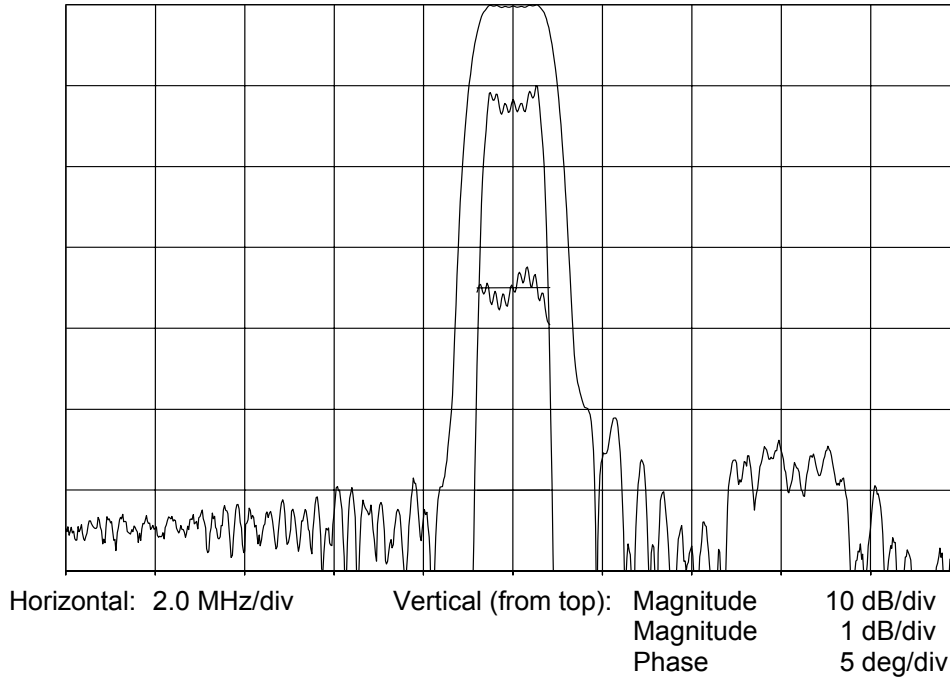




TYPICAL PERFORMANCE



SPECIFICATION

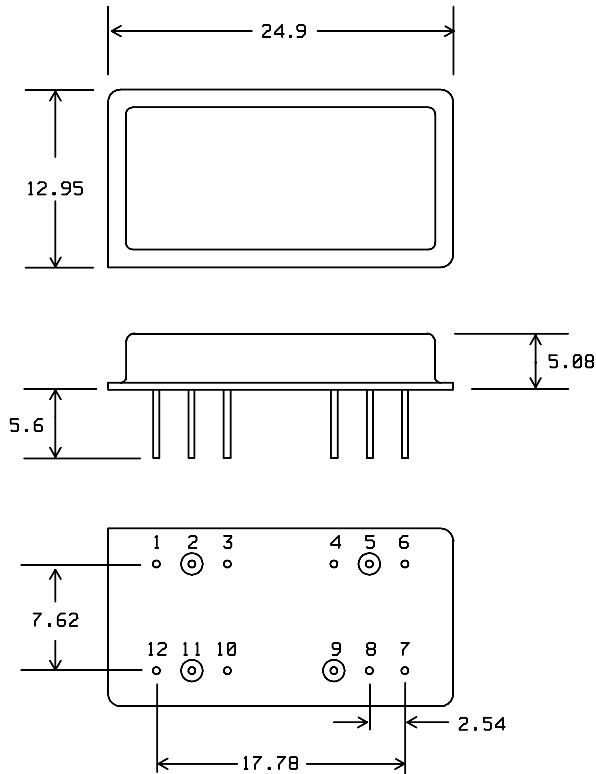
Parameter	Min	Typ	Max	Units
Center Frequency (F_c) ¹	114.97	114.99	115.03	MHz
1 dB Bandwidth		1.23		MHz
3 dB Bandwidth	1.26	1.33		MHz
45 dB Bandwidth		2.74	3.00	MHz
Rejection (10 MHz to $F_c-2.5$ MHz) ²	50	>50		dB
Rejection ($F_c+2.5$ MHz to 120 MHz) ²	50	>50		dB
Rejection (120 MHz to 124 MHz) ²	45	>45		dB
Rejection (124 MHz to 500 MHz) ²	50	>50		dB
Input Power			+10	dBm
Minimum Insertion Loss		17.0	19	dB
Source and Load Impedance		50		Ω
Passband Amplitude Ripple		0.35	0.5	dB p-p
Passband Phase Ripple		2.6	5	deg p-p
Operating Temperature Range	0	23	+70	$^{\circ}$ C

- Notes: 1. This parameter is taken from the 3 dB bandwidth points.
2. Referenced to the minimum loss of the device.



Micro Networks Corp., 324 Clark Street, Worcester, MA 01606, USA tel: 508-852-5400, fax:508-852-8456, www.micronetworks.com

PACKAGE OUTLINE

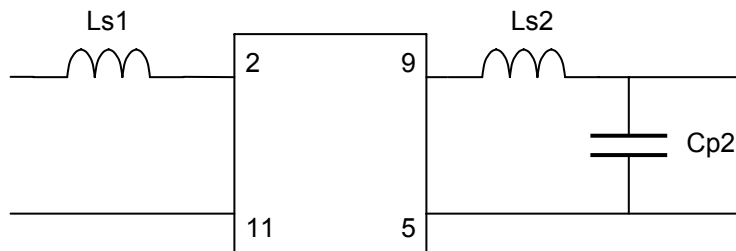


Units: mm

Pin Configuration:

Input:	2
Input Return:	11
Output:	9
Output Return:	5
Ground:	1,3,4,6,7,8,10,12

MATCHING CIRCUIT



Typical component values:
(minimum inductor Q = 45)

Ls1 = 180 nH

Ls2 = 220 nH

Cp2 = 39 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: +31-43-32-70912 ■ fax: +31-43-32-70715

www.micronetworks.com