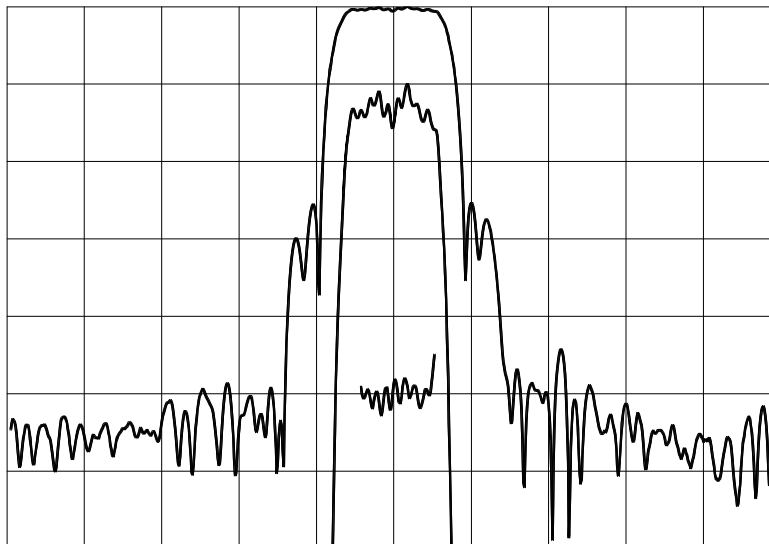


TYPICAL PERFORMANCE



Horizontal: 4 MHz/div

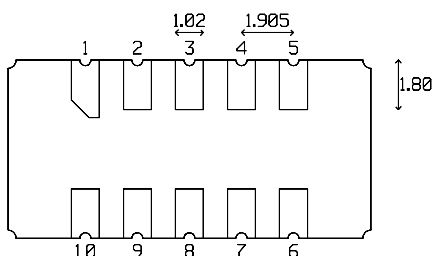
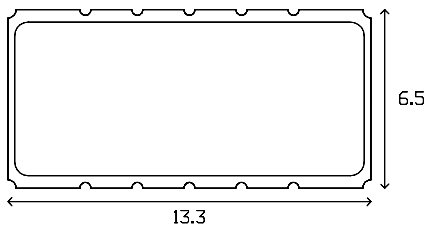
Vertical (from top): Magnitude 10 dB/div
Magnitude 1 dB/div
Phase 5 deg/div

SPECIFICATION

Parameter	Min	Typ	Max	Units
Center Frequency (Fc) ¹		238.8		MHz
Insertion Loss		9	12	dB
1 dB Bandwidth	4.3	5.0		MHz
15 dB Bandwidth		7.0	8.0	MHz
40 dB Bandwidth		11.0	14.0	MHz
Rejection (140 MHz to 226.8 MHz)	45	50		dB
Rejection (250.8 MHz to 340 MHz)	45	50		dB
Passband Amplitude Ripple ²		0.7	1.0	dB p-p
Passband Phase Linearity ²		1	4	deg rms
Operating Temperature Range		23		°C
Temperature Coefficient of Frequency		-20		ppm/°C
Source and Load Impedance		50		Ω

Notes: 1. Fixed reference. All specified bandwidths are centered at or referenced to this frequency.
2. Over 238.8 ± 1.92 MHz

PACKAGE OUTLINE

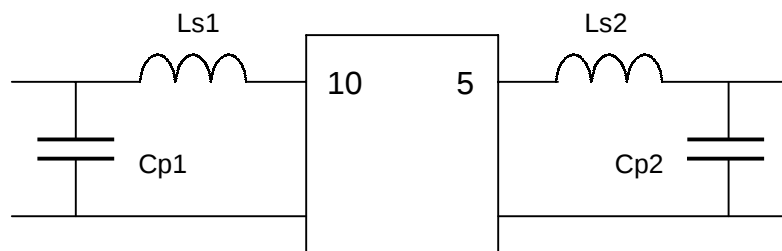


Units: mm

Pin Configuration:

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

MATCHING CIRCUIT



Typical component values: $Ls1 = 22 \text{ nH}$ $Ls2 = 22 \text{ nH}$
(minimum inductor $Q = 45$) $Cp1 = 33 \text{ pF}$ $Cp2 = 36 \text{ pF}$

- Notes
- Requires 2% matching components.
 - Component values may change depending on board layout.
 - All pins other than 1,5,6 & 10 are connected together internally to the package

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, Netherlands. tel: +31-43-32-70915 fax: +31-43-32-70715
www.micronetworks.com