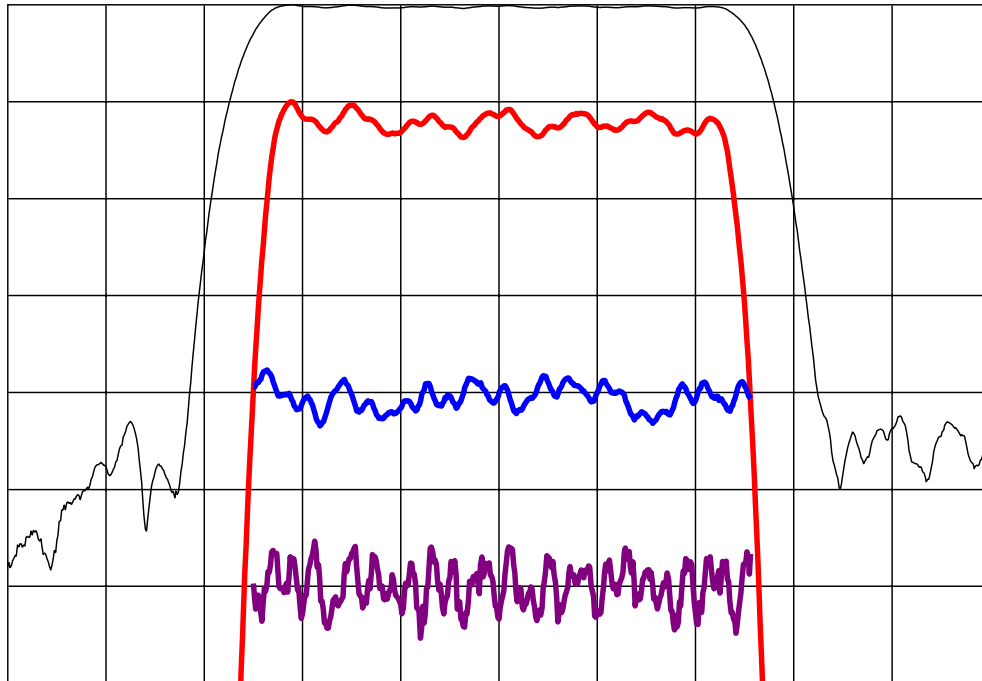


DESCRIPTION

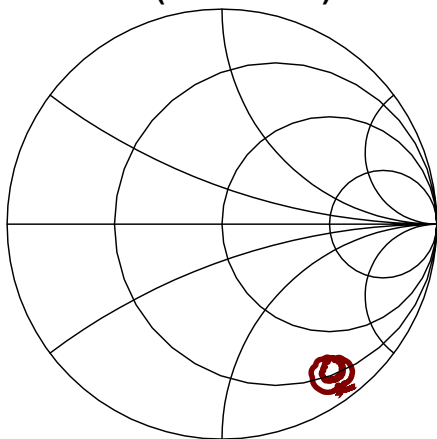
- 44 MHz SAW bandpass filter with 6 MHz bandwidth.
- 35 X 20 mm 24 pin DIP package.
- RoHS compliant.

TYPICAL PERFORMANCE

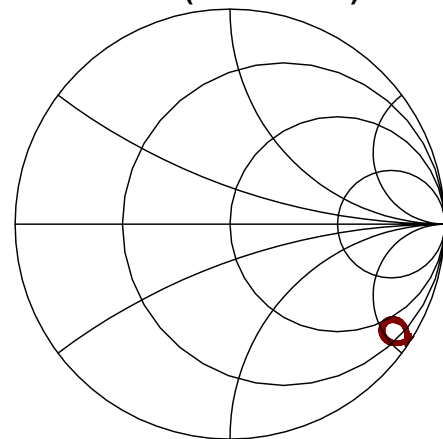


Horizontal:	Frequency :	1.2	MHz/div
Vertical:	Relative Magnitude :	10	dB/div
	Relative Magnitude :	1	dB/div
	Phase Linearity :	2.5	deg/div
	Group Delay :	50	ns/div

S11 (38-50 MHz)



S22 (38-50 MHz)



SPECIFICATION

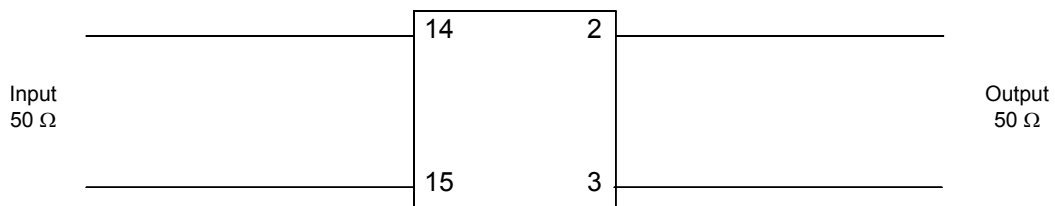
Parameter	Min	Typ	Max	Units
Center Frequency (Fc) ¹	43.8	44.0	44.2	MHz
Insertion Loss ²	-	21.5	23.0	dB
1 dB Bandwidth	5.5	5.7	-	MHz
3 dB Bandwidth	6.0	6.1	-	MHz
38 dB Bandwidth	-	7.6	8.0	MHz
Passband Amplitude Ripple ³	-	0.4	0.6	dB
Passband Phase Ripple ³	-	1.5	3.0	deg p-p
Passband GD Ripple ³	-	50	80	ns
Stopband Rejection(10 to 39 MHz) ³	40	45	-	dB
Stopband Rejection (49 to 80 MHz) ³	40	45	-	dB
Absolute Delay	-	2.08	-	us
Passband Group Delay Ripple ²	-	40	60	ns p-p
Source and Load Impedance	50			ohms
Temperature Coefficient of Frequency	-72			ppm/°C
Ambient Temperature	25			°C

Notes: 1. Mean value of the 3 dB band edge frequencies.
2. Defined at 44 MHz.
3. Dependent upon PC board layout.

MAXIMUM RATINGS

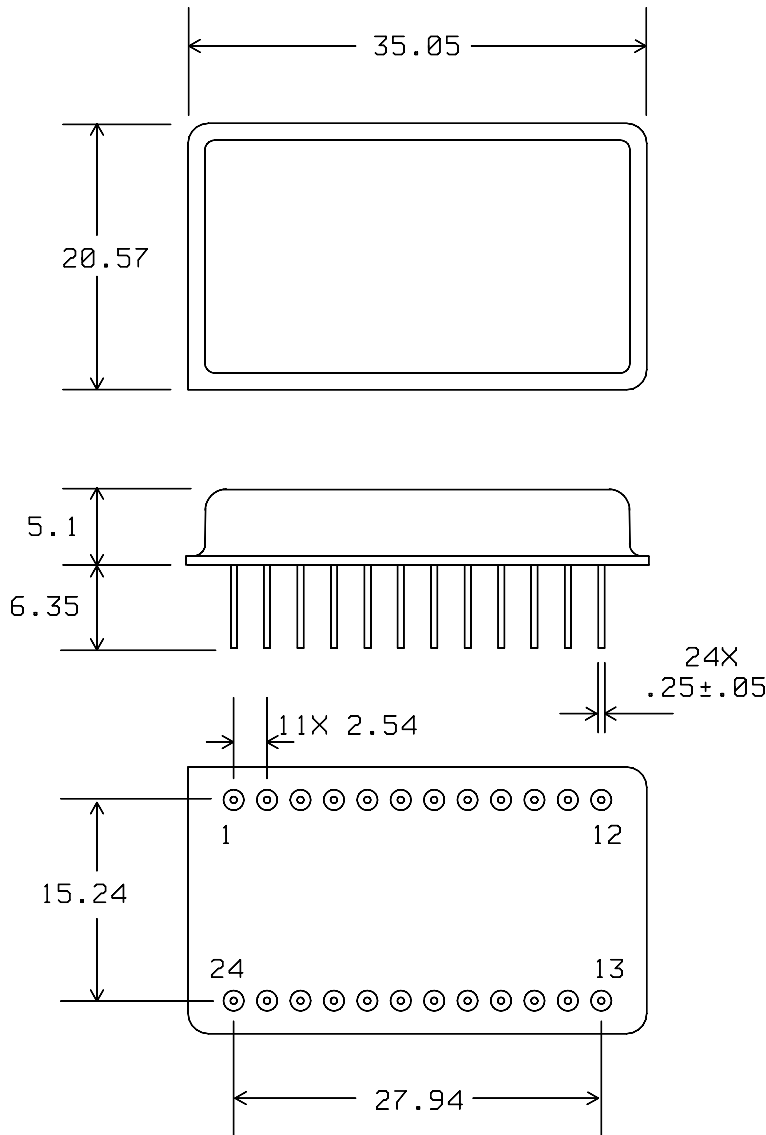
Parameter	Min	Max	Units
Storage Temperature Range	-40	85	°C
Input Power Level	-	13	dBm

MATCHING CIRCUIT



Note: Matching components are not required.

PACKAGE OUTLINE



Units: mm

Tolerances are ± 0.15 mm except where indicated.

Pin Configuration:

Input:	14
Input return:	15
Output:	2
Output return:	3
Ground:	1, 4, 16

ISO 9001
Registered

All specifications are believed to be accurate and reliable. However, Spectrum Microwave reserves the right to make changes without notice.
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