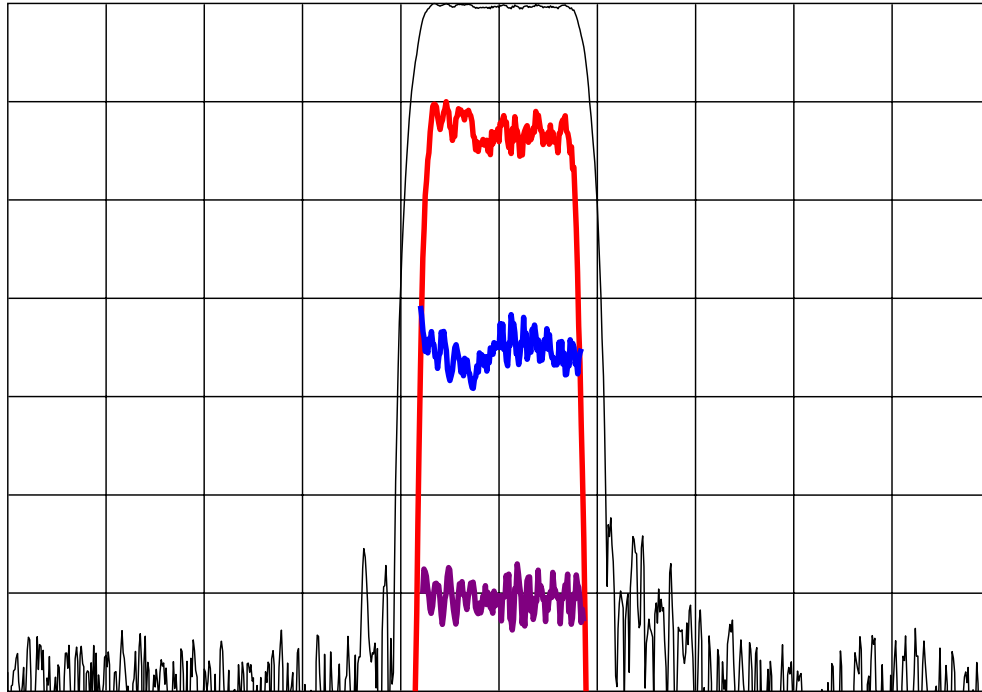


DESCRIPTION

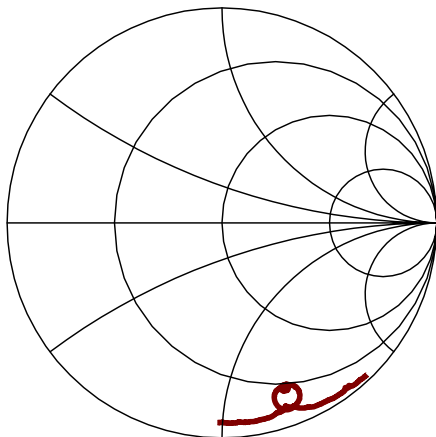
- 70 MHz SAW bandpass filter with 8 MHz bandwidth.
- 22.1 x 12.7 mm DIP package.
- RoHS compliant.

TYPICAL PERFORMANCE

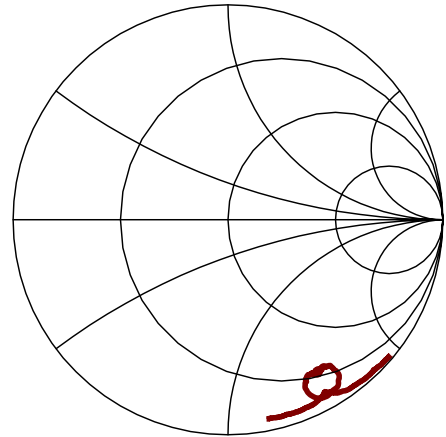


Horizontal: Frequency : 10 MHz/div
 Vertical from Top: Relative Magnitude : 10 dB/div
 Relative magnitude : 1 dB/div
 Phase Linearity : 5 deg/div
 Group Delay : 100 ns/div

S11 (60-80 MHz)



S22 (60-80 MHz)



SPECIFICATION

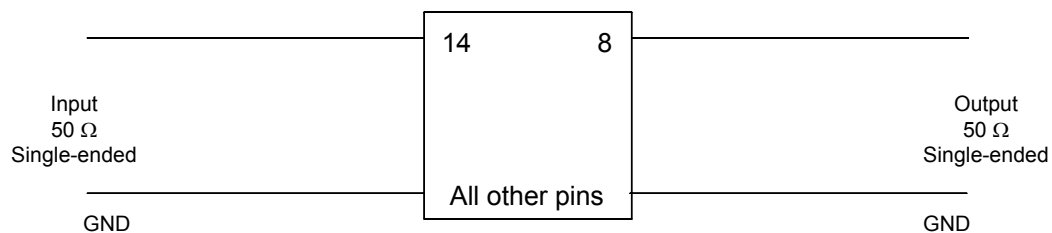
Parameter	Min	Typ	Max	Units
Center Frequency (Fc) ¹	69.89	70	70.11	MHz
Insertion Loss at Fc	-	22.3	24	dB
1 dB Bandwidth	7.5	7.8	-	MHz
3 dB Bandwidth	8	8.3	-	MHz
40 dB Bandwidth	-	10.4	10.6	MHz
Absolute Delay	-	2.1	-	us
Passband Variation ²	-	0.4	0.8	dB p-p
Phase Linearity ²	-	2.3	4	deg p-p
Group Delay Variation ²	-	50	90	ns p-p
Ultimate Rejection	50	60	-	dB
Temperature Coefficient of Frequency	-	-94	-	ppm/°C
Source and Load Impedance	-	50	-	ohms
Ambient Temperature	-	25	-	°C

- Notes: 1. This is the mean of the 3 dB frequency points.
2. Computed as the delta of the highest and lowest points inside the 1 dB Bandwidth.

MAXIMUM RATINGS

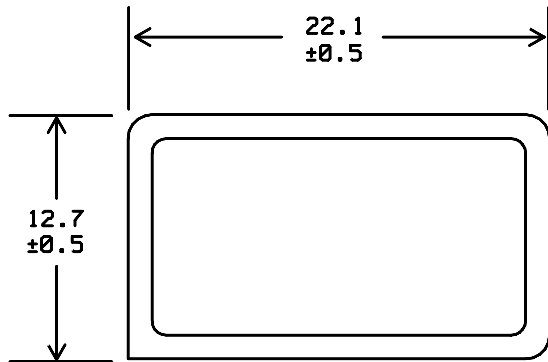
Parameter	Min	Max	Units
Storage Temperature Range	-40	85	°C
Input Power Level	-	13	dBm

MATCHING CIRCUIT



Note: Matching components are not required.

PACKAGE OUTLINE

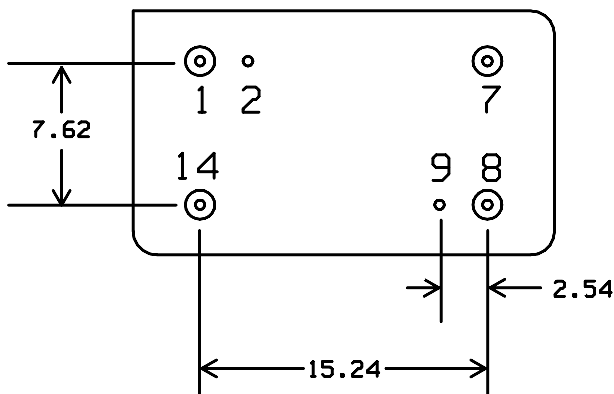
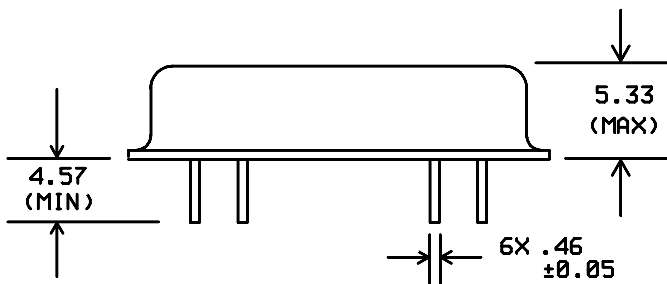


Units: mm

Tolerances are typically ± 0.15 mm except where indicated.

Pin Configuration:

Input: 14
Output: 8
Ground: All other pins



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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