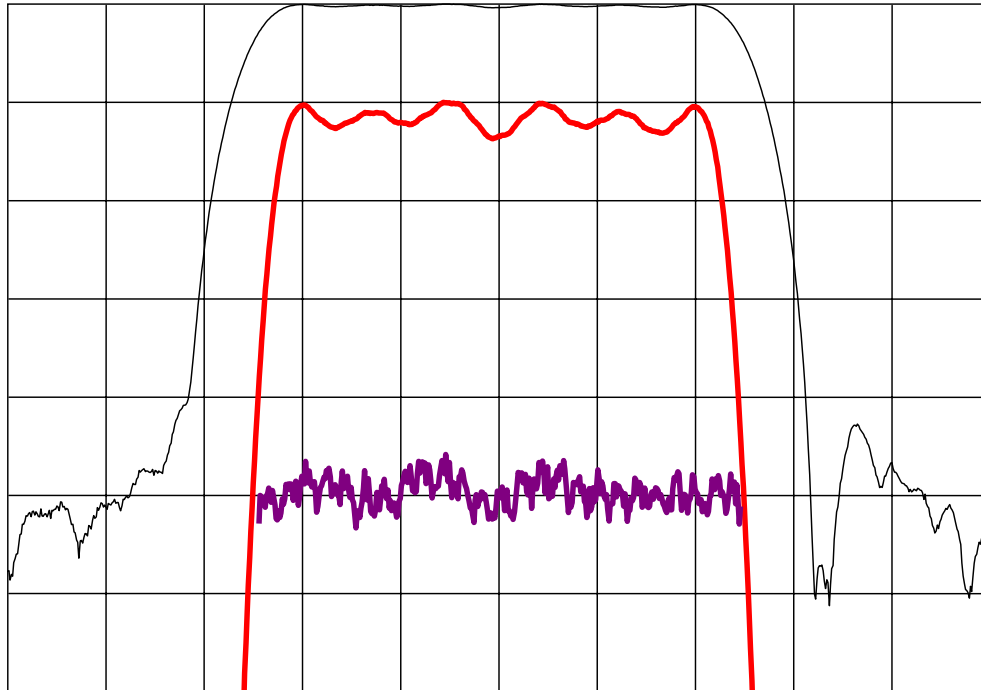


DESCRIPTION

- 130 MHz SAW bandpass filter with 9 MHz bandwidth for wireless data applications.
- 22.1 x 12.7 mm DIP.
- RoHS compliant.

TYPICAL PERFORMANCE



Horizontal: Frequency : 2 MHz/div
Vertical from top: Relative Magnitude : 10 dB/div
Relative magnitude : 1 dB/div
Group Delay : 20 ns/div

SPECIFICATION

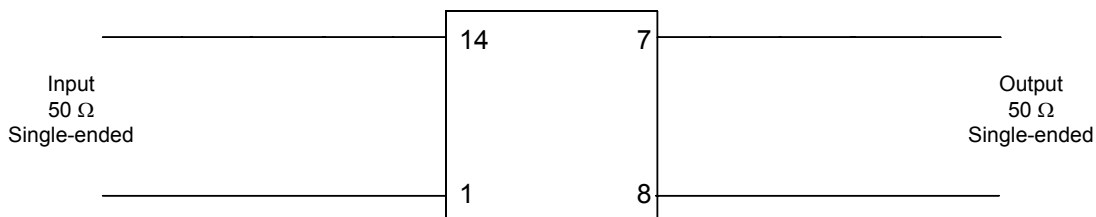
Parameter	Min	Typ	Max	Units
Center Frequency (Fc) nominal	-	130.0	-	MHz
Insertion Loss ²	-	27	30	dB
Amplitude Ripple (over Fc ± 4.3 MHz)	-	0.5	0.8	dB p-p
Group Delay Ripple (over Fc ± 4.0 MHz)	-	10	25	ns p-p
1 dB Lower Band Edge ³	-	125.5	125.7	MHz
1 dB Upper Band Edge ³	134.3	134.5	-	MHz
38 dB Lower Band Edge ³	123.5	123.7	-	MHz
38 dB Upper Band Edge ³	-	136.3	136.5	MHz
Rejection (70 to 123.5 MHz) ³	38	45	-	dB
Rejection (136.5 to 210 MHz) ³	38	45	-	dB
Absolute Delay	-	1.27	-	us
Source / Load Impedance	50			Ω
Temperature Coefficient of Frequency	-18			ppm/° C

- Notes:
1. Average of lower and upper 3 dB frequencies (3 dB measured from peak).
 2. Average loss over Fc +/- 4.0 MHz.
 3. Measured relative to the insertion loss level.

MAXIMUM RATINGS

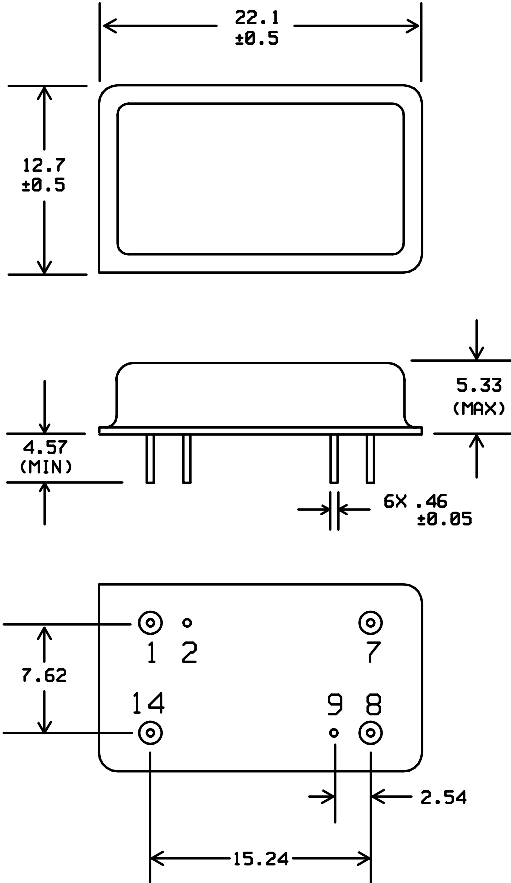
Parameter	Min	Max	Units
Storage Temperature Range	-40	85	°C
Operating Temperature Range	-10	50	°C
Operating Input Power Level	-	+10	dBm

MATCHING CIRCUIT



Note: External matching components are not required.

PACKAGE OUTLINE



Units: mm

Tolerances are ±0.15 mm except for the overall length, width and pad dimensions, which are nominal values.

Pin Configuration:

Input:	14
Input return:	1
Output:	7
Output return:	8
Ground:	2,9

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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