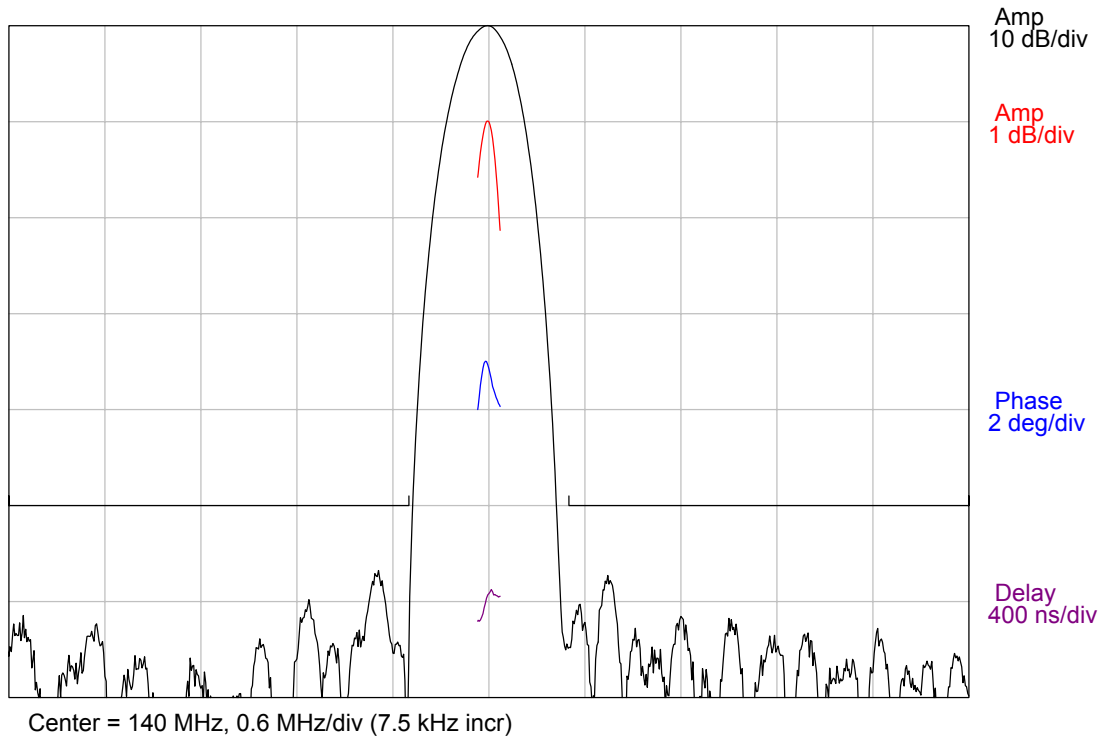


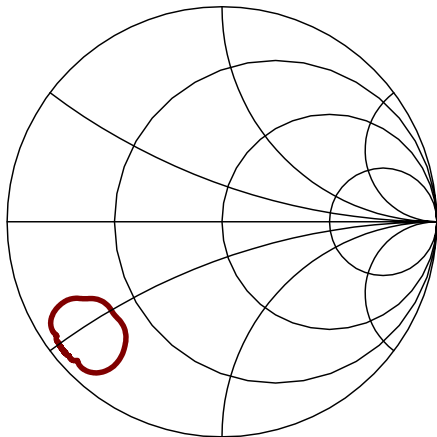
**DESCRIPTION**

- 140 MHz SAW bandpass filter with 0.25 MHz bandwidth.
- 27.2 x 12.7 mm DIP package.
- RoHS compliant.

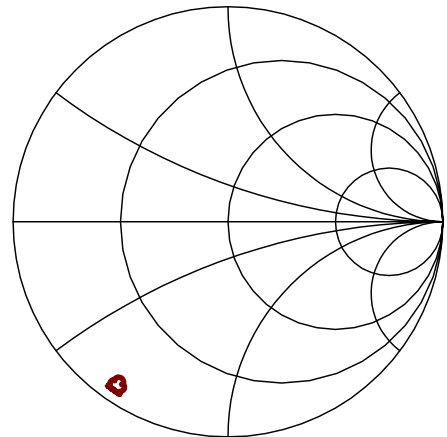
**TYPICAL PERFORMANCE**



**S11 (137-143 MHz)**



**S22 (137-143 MHz)**



## SPECIFICATION

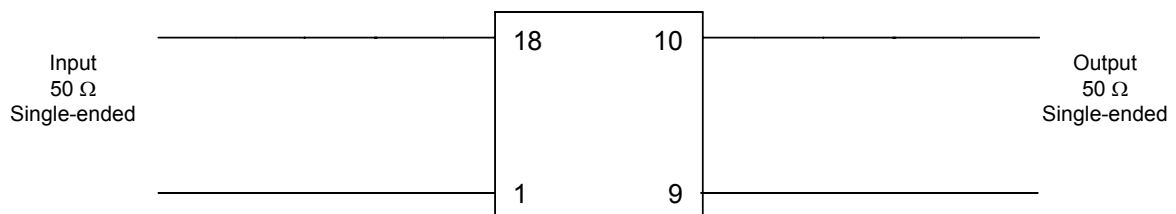
Parameter	Min	Typ	Max	Units
Center Frequency (Fc) <sup>1</sup>	139.95	140.0	140.05	MHz
Insertion Loss	-	19.5	22	dB
1 dB Bandwidth	0.14	0.16	-	MHz
3 dB Bandwidth	0.25	0.27	-	MHz
40 dB Bandwidth	-	0.84	0.95	MHz
Device Delay	-	3.62	-	us
Passband Ripple	-	0.1	1	dB p-p
Phase Linearity	-	3	5	deg p-p
Group Delay Variation	-	150	300	ns p-p
Ultimate Rejection	50	55	-	dB
Source and Load Impedance	-	50	-	ohms
Ambient Temperature	-	25	-	°C

Notes: 1. This is the mean of the 3 dB frequency points.

## MAXIMUM RATINGS

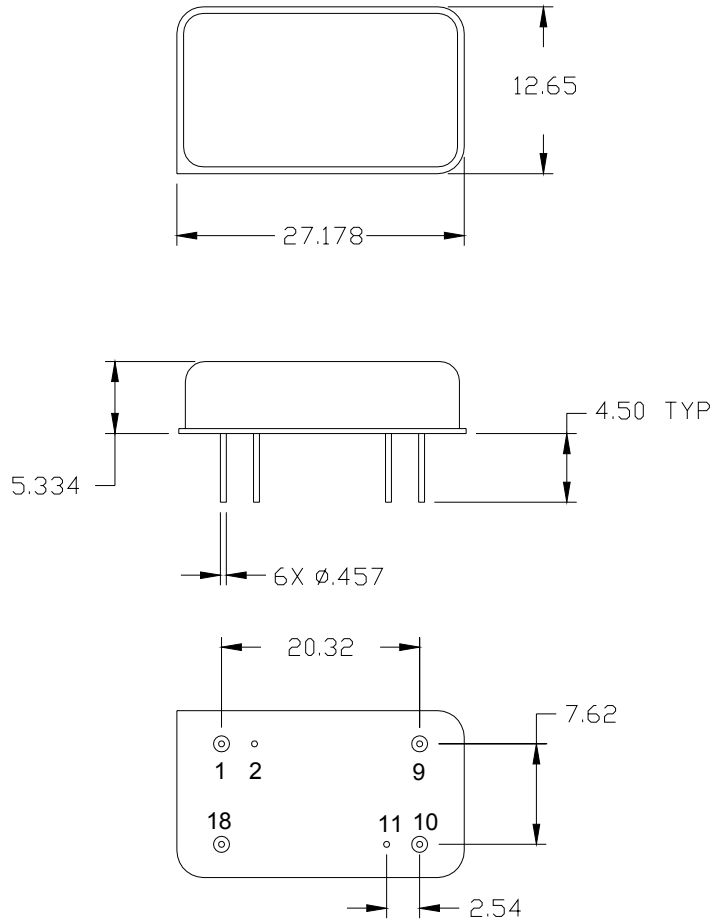
Parameter	Min	Max	Units
Storage Temperature Range	-40	85	°C
Input Power Level	-	13	dBm

## MATCHING CIRCUIT



Note: Matching components are not required.

**PACKAGE OUTLINE**



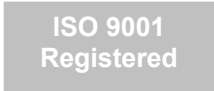
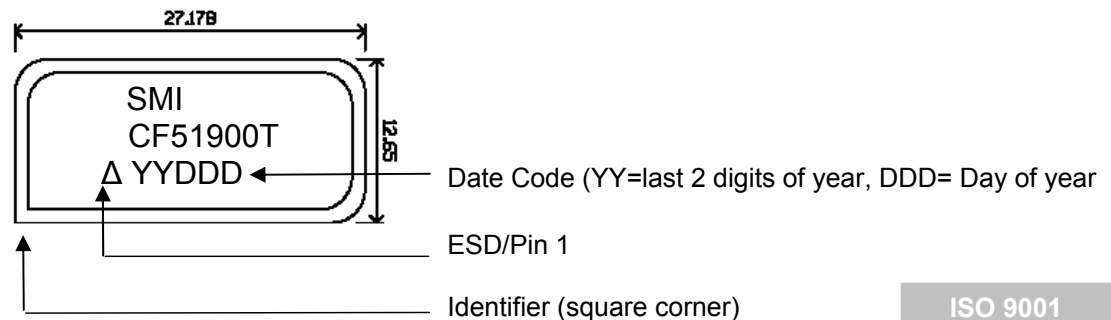
**Units:** mm

Tolerances are typically  $\pm 0.15$  mm except where indicated.

**Pin Configuration:**

Input:	18
Input return:	1
Output:	10
Output return:	9
Ground:	2, 11

**MARKING**



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