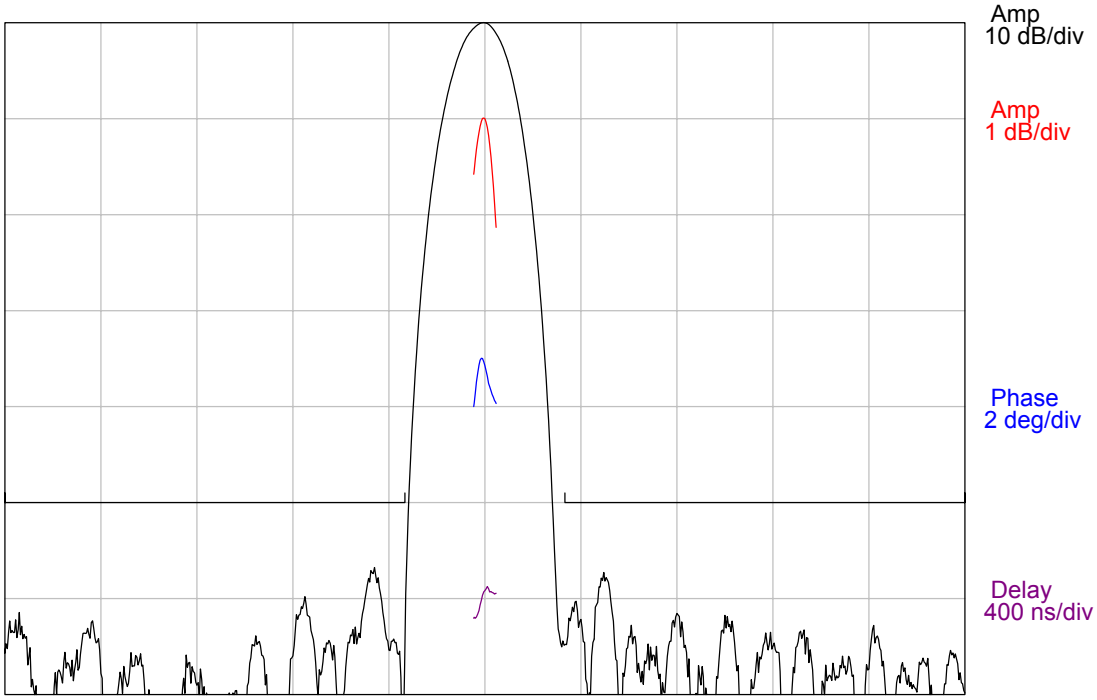
140 MHz SAW Filter
0.25 MHz Bandwidth
Part Number: SF0140CF51900T

DESCRIPTION

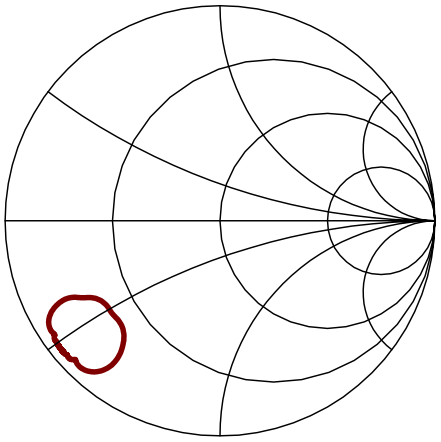
- 140 MHz SAW bandpass filter with 0.25 MHz bandwidth.
- 27.2 x 12.7 mm DIP package.
- RoHS compliant.

TYPICAL PERFORMANCE

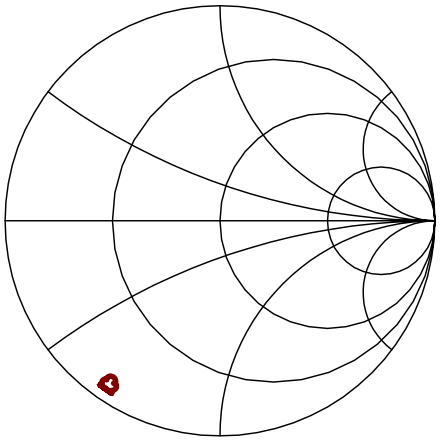


Center = 140 MHz, 0.6 MHz/div (7.5 kHz incr)

S11 (137-143 MHz)



S22 (137-143 MHz)



Spectrum Microwave
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www.SpectrumMicrowave.com

SPECIFICATION

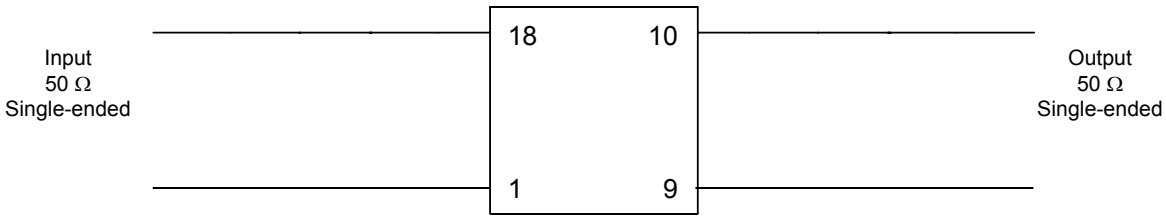
Parameter	Min	Typ	Max	Units
Center Frequency (Fc) [1]	139.95	140.0	140.05	MHz
Insertion Loss	-	19.5	22	dB
1 dB Bandwidth	0.14	0.16	-	MHz
3 dB Bandwidth	0.25	0.27	-	MHz
40 dB Bandwidth	-	0.84	0.95	MHz
Device Delay	-	3.62	-	us
Passband Ripple	-	0.1	1	dB p-p
Phase Linearity	-	3	5	deg p-p
Group Delay Variation	-	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

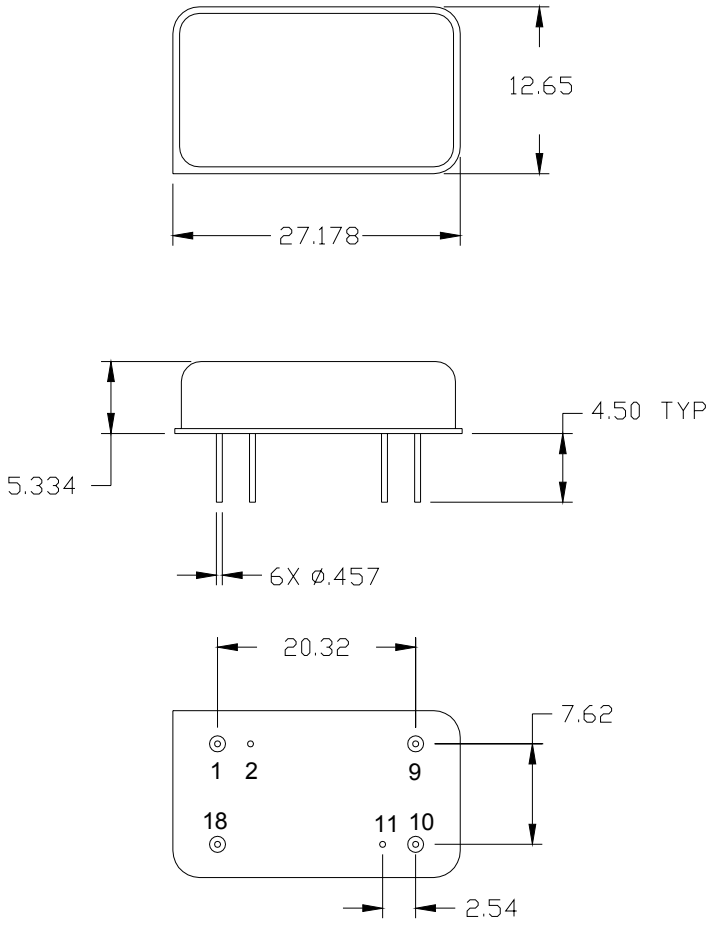
Parameter	Min	Max	Units
Storage Temperature Range	-40	85	˚C
Input Power Level	-	13	dBm

MATCHING CIRCUIT



Note: Matching components are not required.

PACKAGE OUTLINE



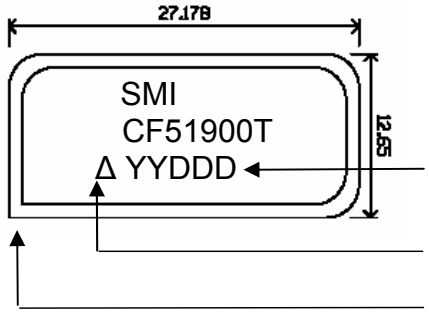
Units: mm

Tolerances are typically ±0.15 mm except where indicated.

Pin Configuration:

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

MARKING



Date Code (YY=last 2 digits of year, DDD= Day of year

ESD/Pin 1

Identifier (square corner)

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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