



**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

## 939 MHz Wireless, RF Saw Filter

**Part Number: AM939S540**

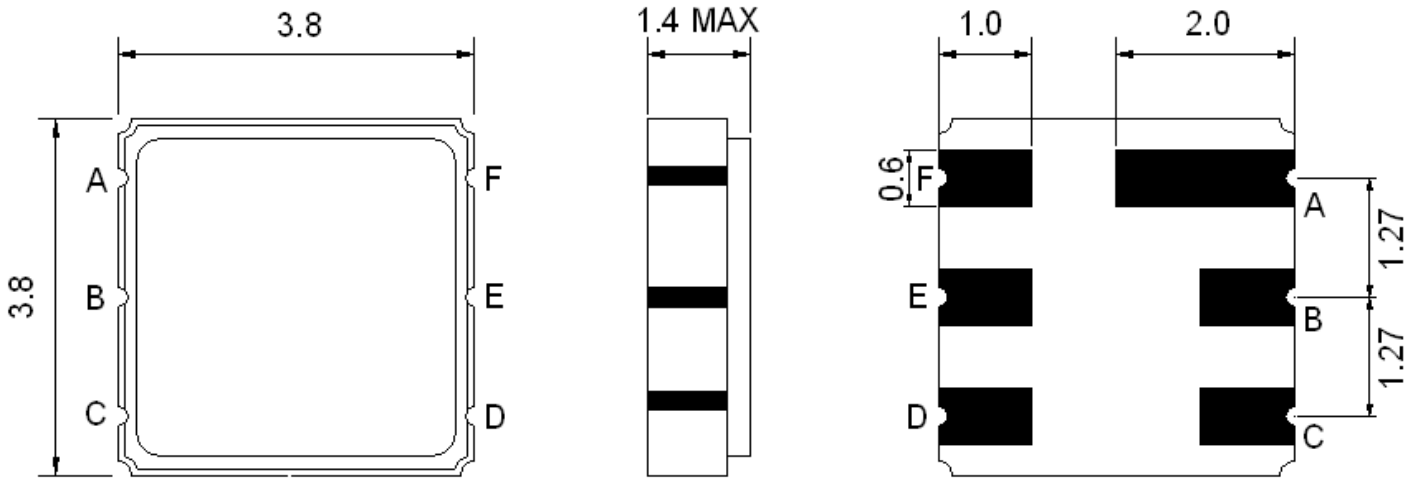


Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	939.0	-
Insertion Loss within 936.0 ~ 942.0 MHz	dB	-	2.5	3.0
Amplitude Ripple within 936.0 ~ 942.0 MHz	dB <sub>p-p</sub>	-	0.3	1.0
VSWR within 936.0 ~ 942.0 MHz	-	-	1.5	2.0
<b>Attenuation:</b>				
DC ~ 840.0 MHz	dB	50	65	-
840.0 ~ 894.0 MHz	dB	45	55	-
984.0 ~ 1000 MHz	dB	40	43	-
1000 ~ 1500 MHz	dB	50	60	-
1500 ~ 2000 MHz	dB	40	45	-

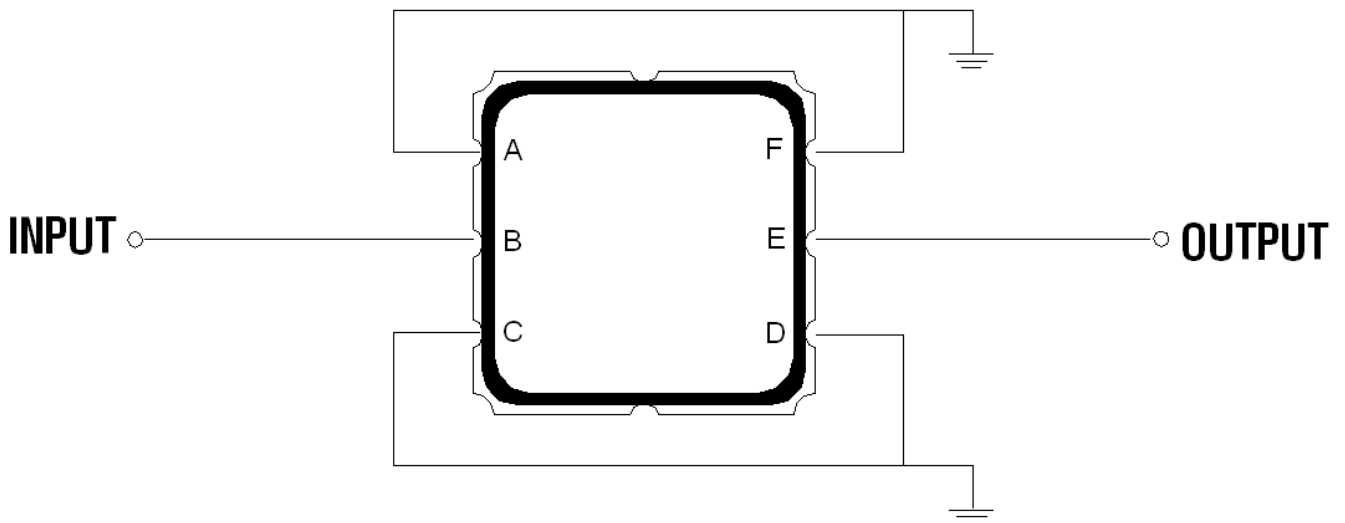
Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-30	-	+65
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	15
Source Impedance (Single Ended) <sub>1</sub>	Ω	-	50	-
Load Impedance (Single Ended) <sub>1</sub>	Ω	-	50	-
Package Size and Type	3.8 x 3.8 x 1.4 mm P			



### Outline Drawing:



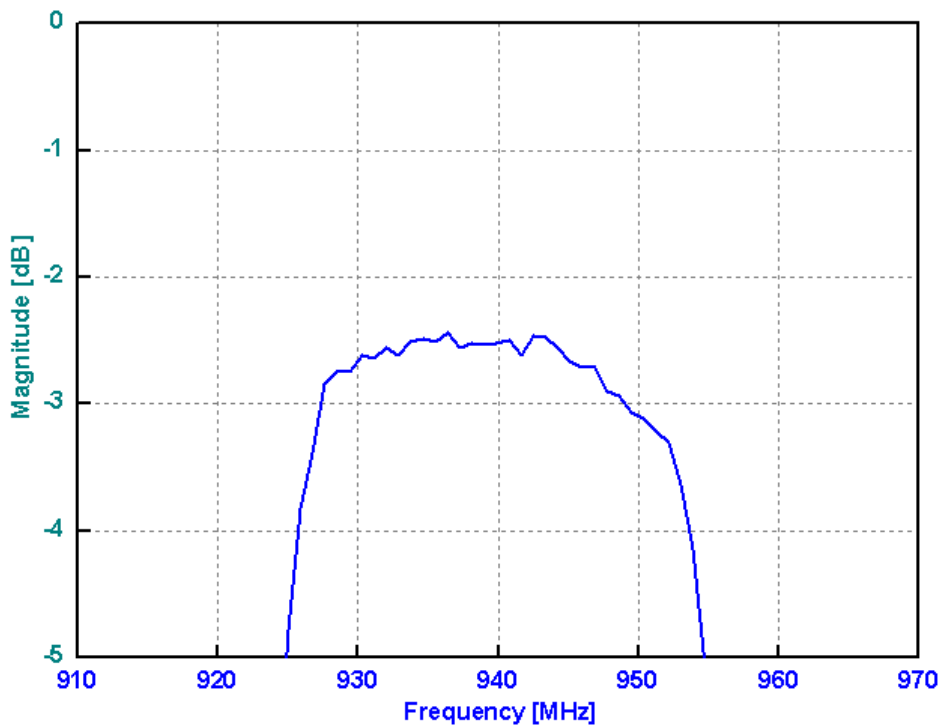
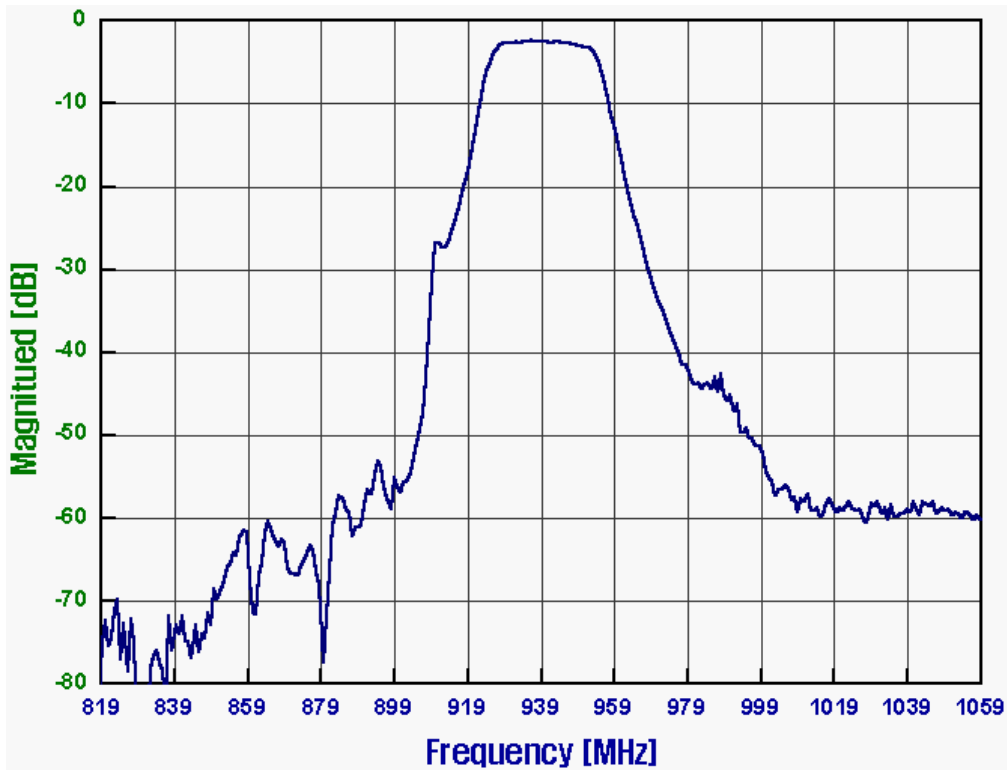
### Testing Environment:



Source & Load Impedance: 50  $\Omega$

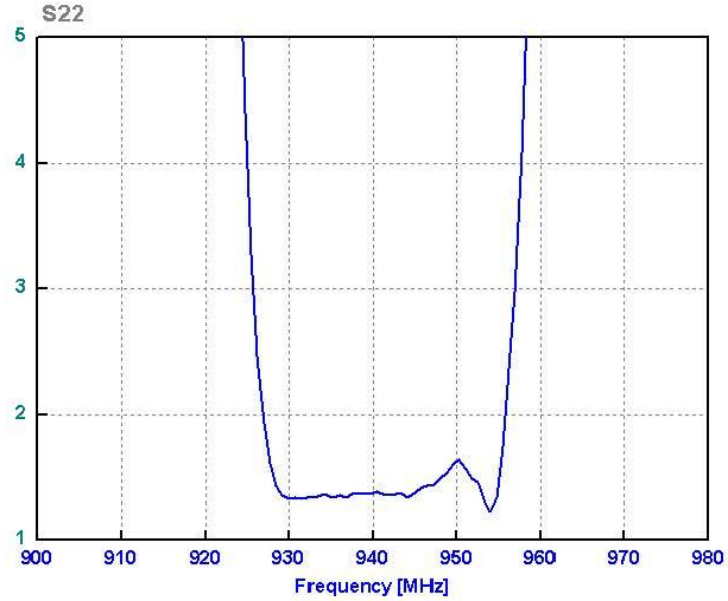
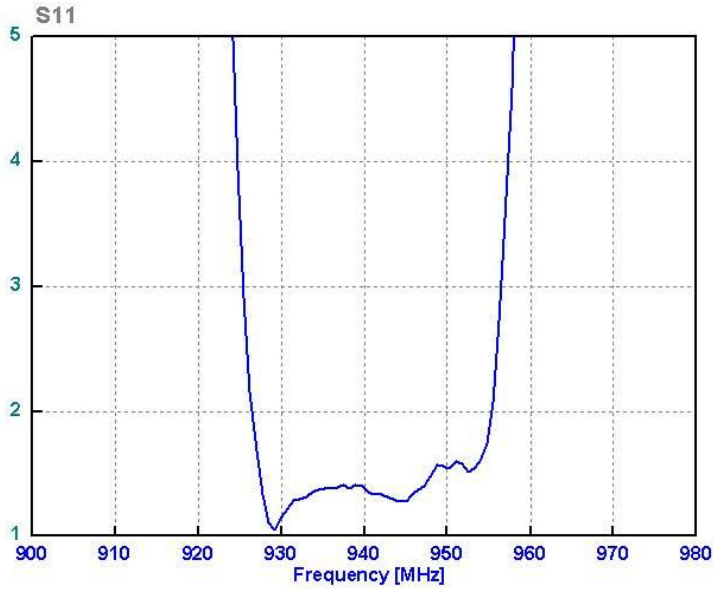


### Response Plot:





### VSWR



### Smith Chart

