



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

# 1695 MHz SAW Bandpass Filter

**Part Number: AM1695S1056**



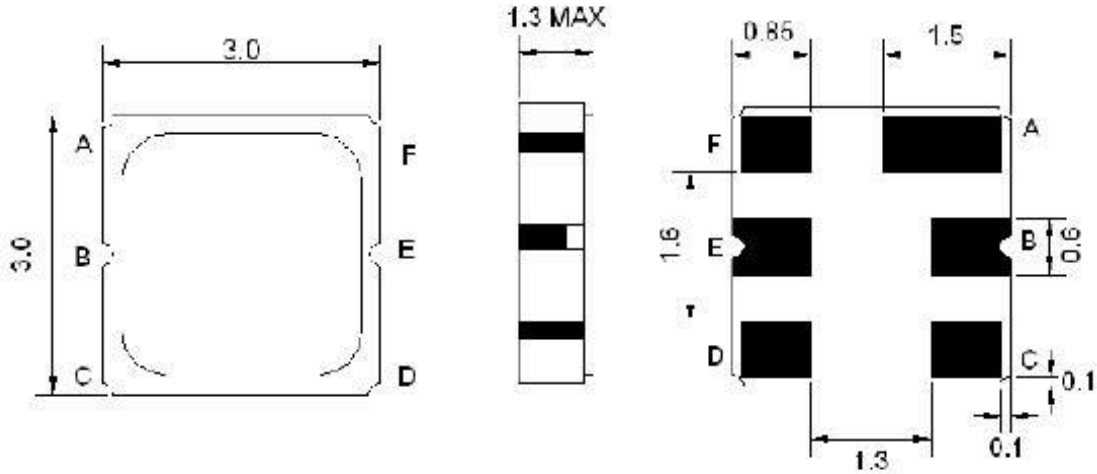
Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	1695.0	-
Insertion Loss within 1665.0 ~ 1725.0 MHz	dB	-	2.9	3.3
Amplitude Ripple within 1665.0 ~ 1725.0 MHz	dBp-p	-	0.5	1.0
VSWR within 1665.0 ~ 1725.0 MHz	-	-	1.3	2.0
<b>Attenuation:</b>				
1300.0 ~ 1550.0 MHz	dB	25	28	-
1850.0 ~ 1915.0 MHz	dB	30	38	-
1915.0 ~ 2000.0 MHz	dB	25	33	-

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	10
Source Impedance (Single Ended) <sub>1</sub>	Ω	-	50	-
Load Impedance (Single Ended) <sub>1</sub>	Ω	-	50	-
Package Size and Type	3.0 x 3.0 x 1.3 mm M			

**Notes:** (1) No Matching Network (Ref. Testing Environment Circuit as shown below).



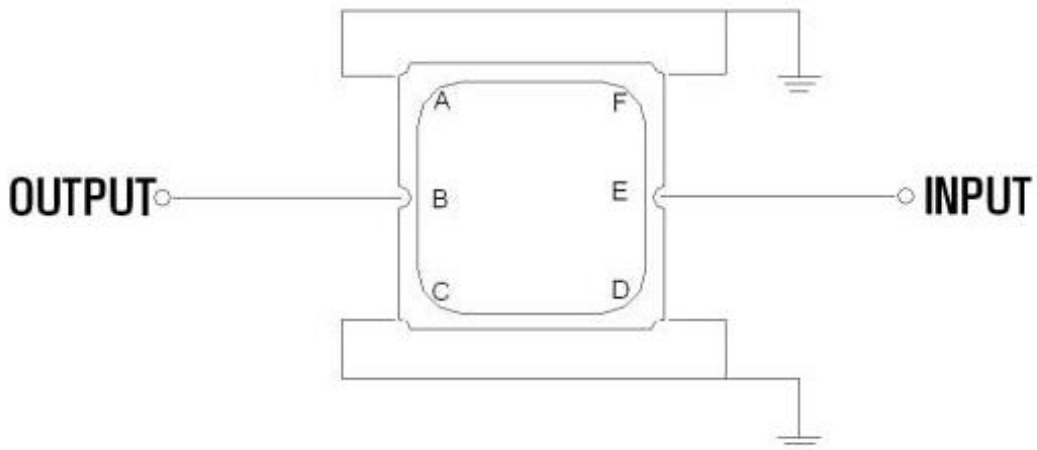
### Outline Drawing:



### Pin Description:

Ground – A C D F  
 Input – E  
 Output – B

### Testing Environment:



Source/Load Impedance: 50 Ω

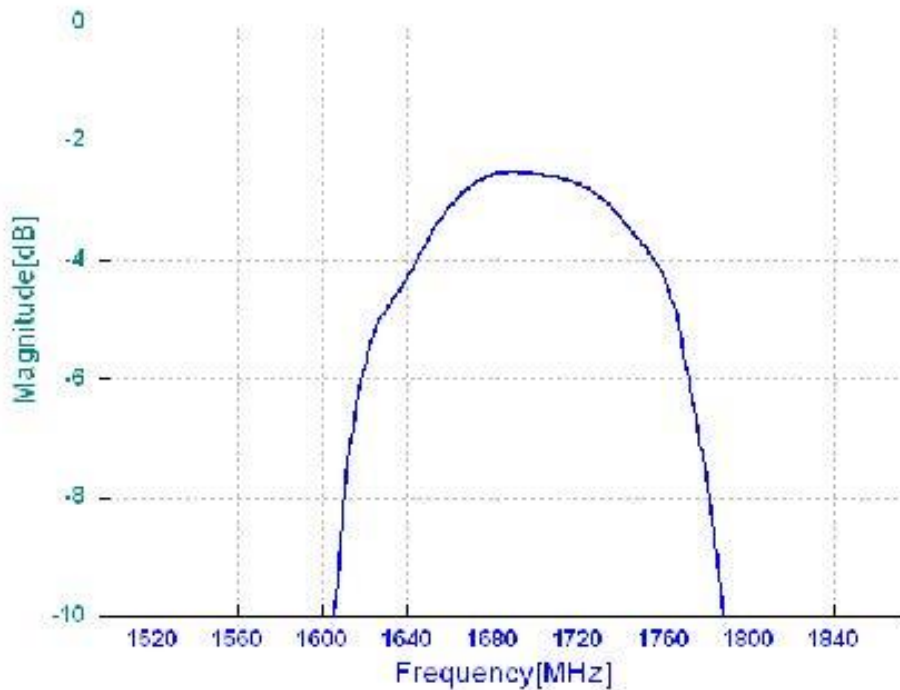
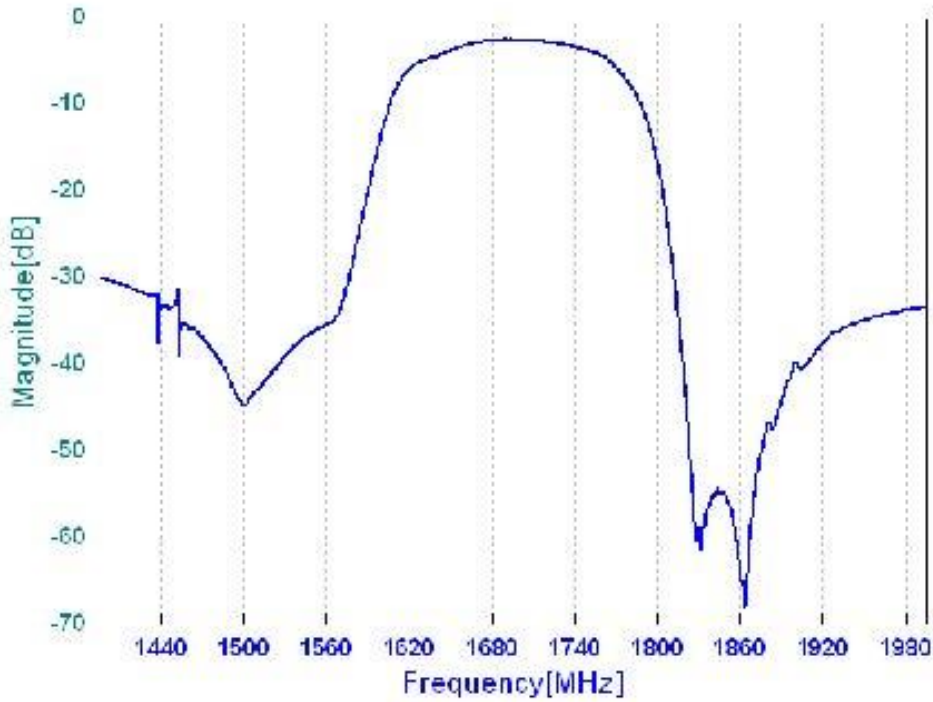


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## Response Plot:



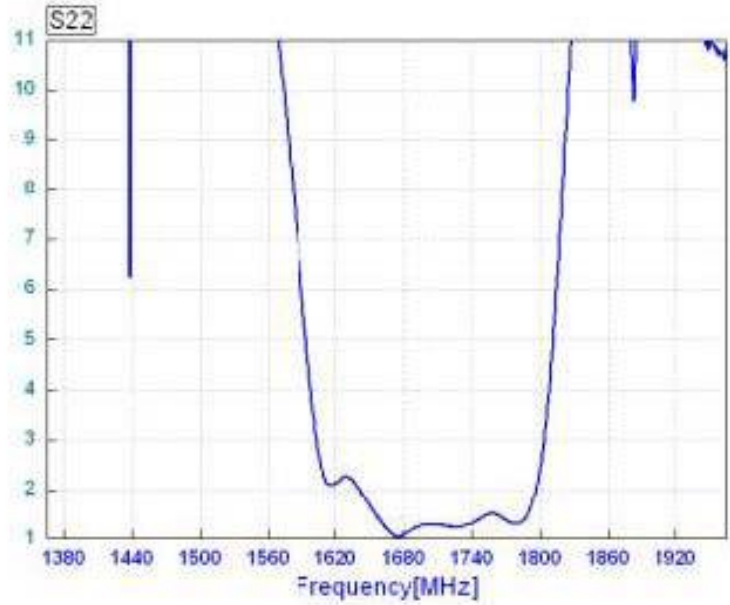
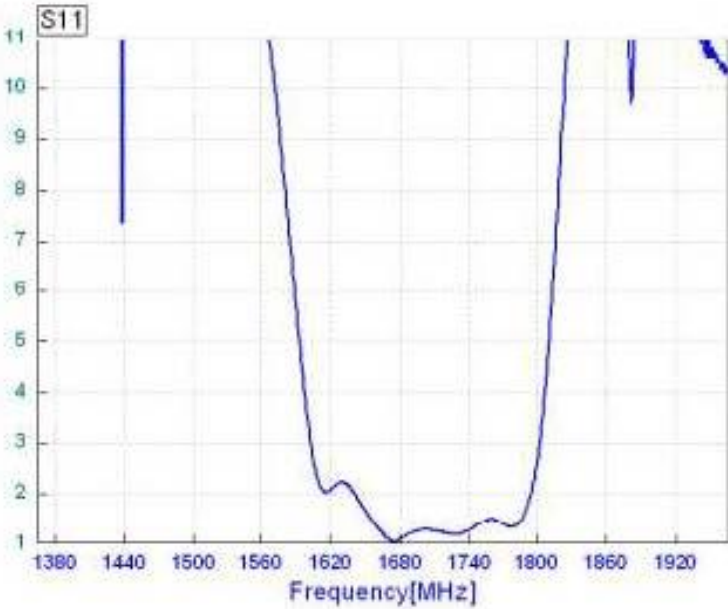


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### VSWR:



### Smith Chart:

