



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

# 417 MHz CDMA 450 E-Band RF-Tx Saw Filter

**Part Number: AM417S449**

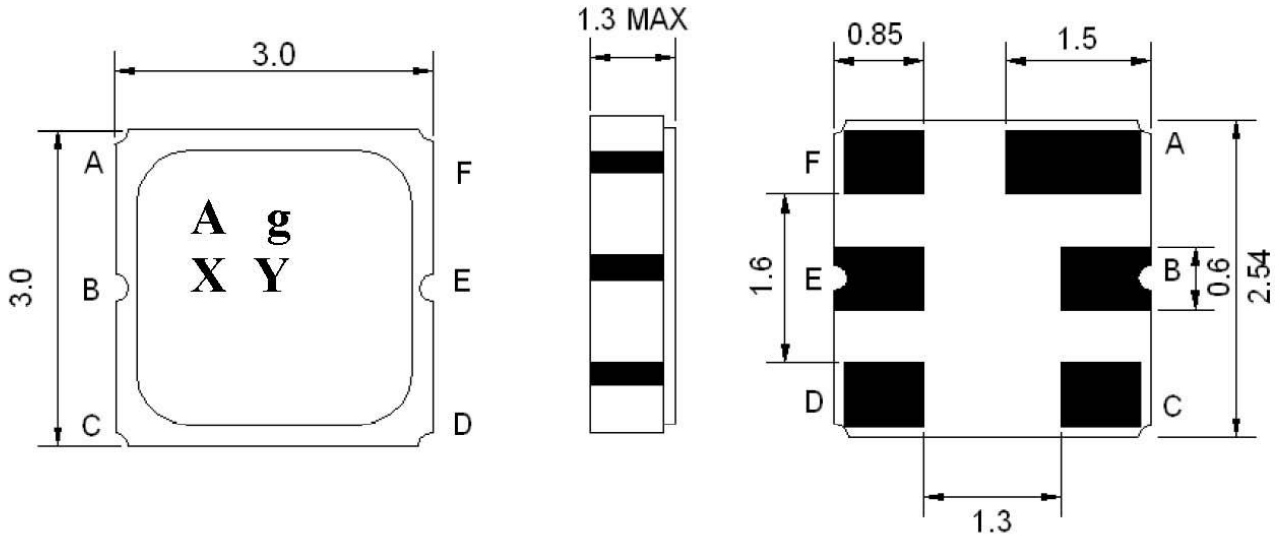


Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	417.75	-
Insertion Loss within 415.0 ~ 420.0 MHz	dB	-	2.1	2.8
VSWR within 415.0 ~ 420.0 MHz	-	-	1.3	2.0
<b>Stop Band Attenuation:</b>				
0.3 ~ 400.0 MHz	dB	23	26	-
425.5 ~ 430.0 MHz	dB	30	48	-
430.0 ~ 1700.0 MHz	dB	20	25	-
1700.0 ~ 2000.0 MHz	dB	15	20	-

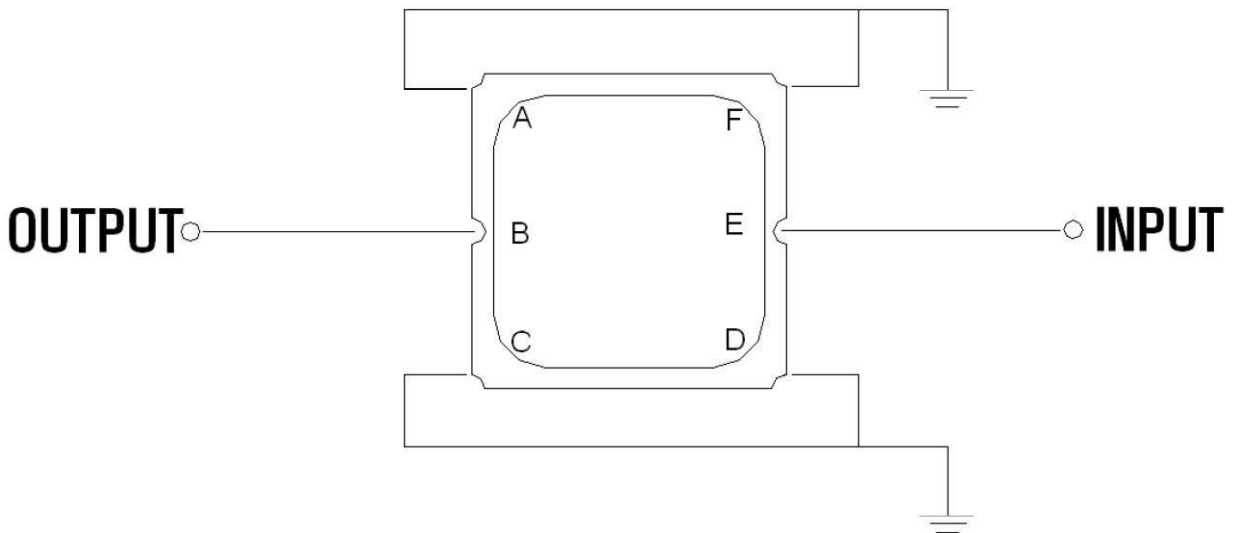
Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	30
Source Impedance (Single Ended) <sub>1</sub>	Ω	-	50	-
Load Impedance (Single Ended) <sub>1</sub>	Ω	-	50	-
Package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



**Outline Drawing:**



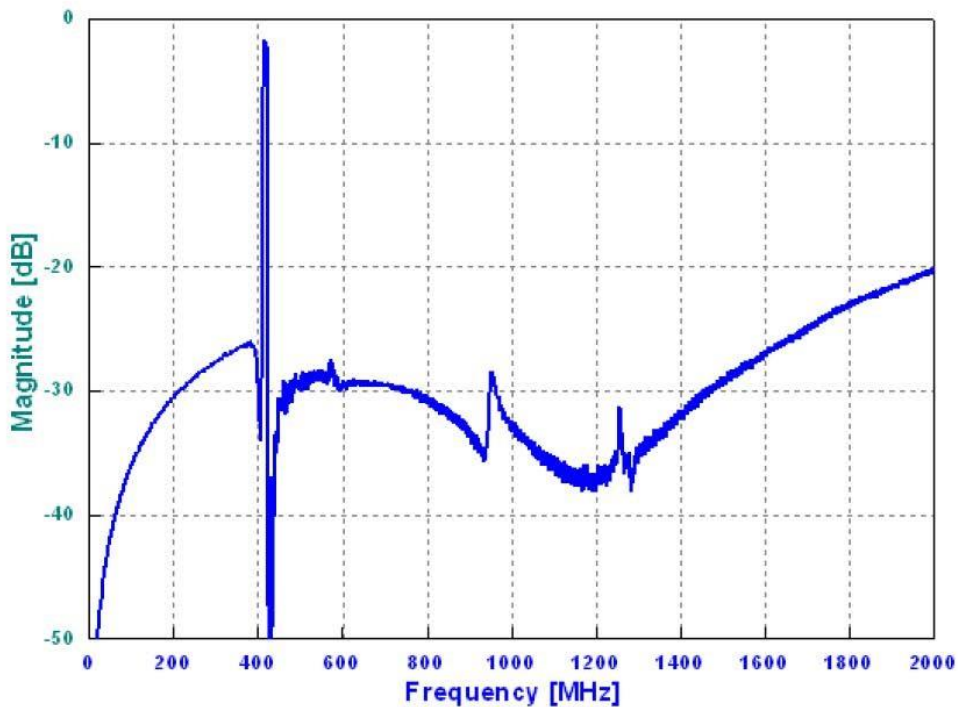
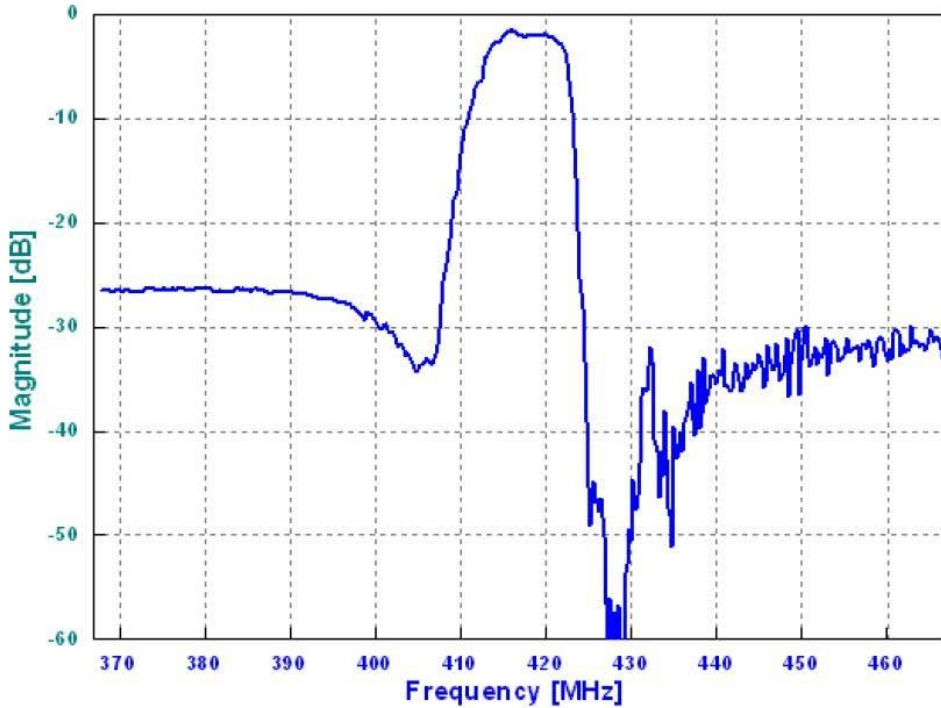
**Testing Environment:**



Source & Load Impedance: 50  $\Omega$



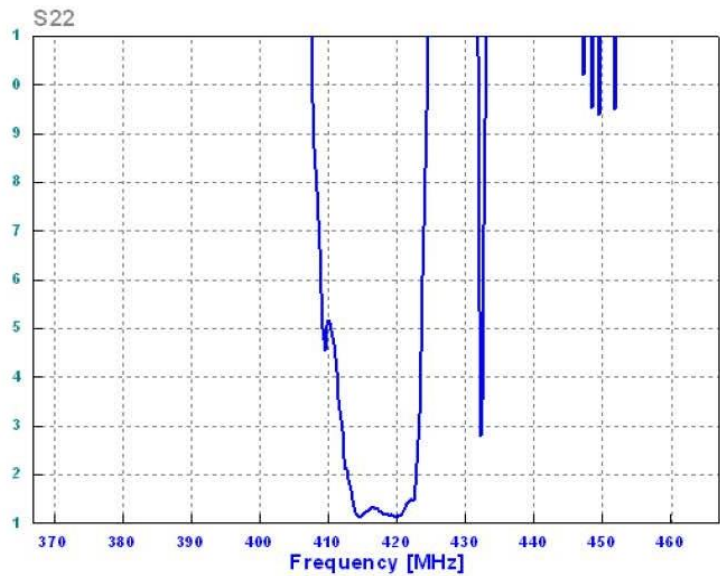
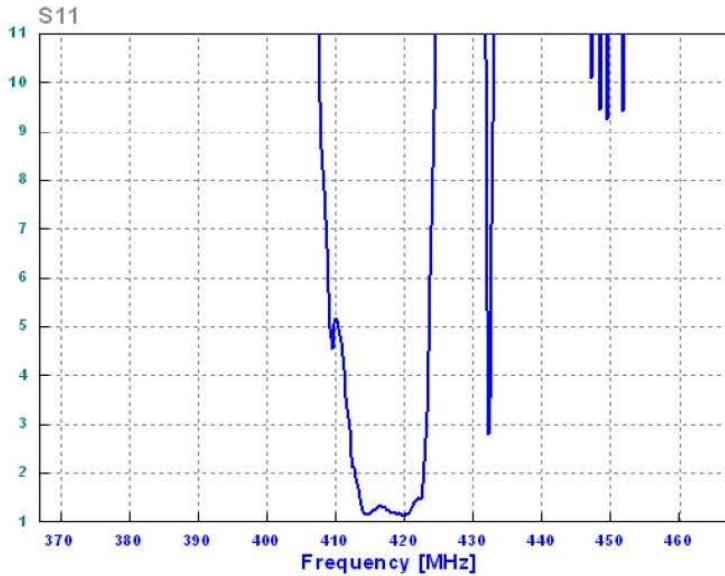
### Response Plot:





### Response Plot:

#### VSW



### Smith Chart

