



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

# 422 MHz CDMA 450 L-Band Balanced RF-Rx Saw Filter

**Part Number: AM422S450**

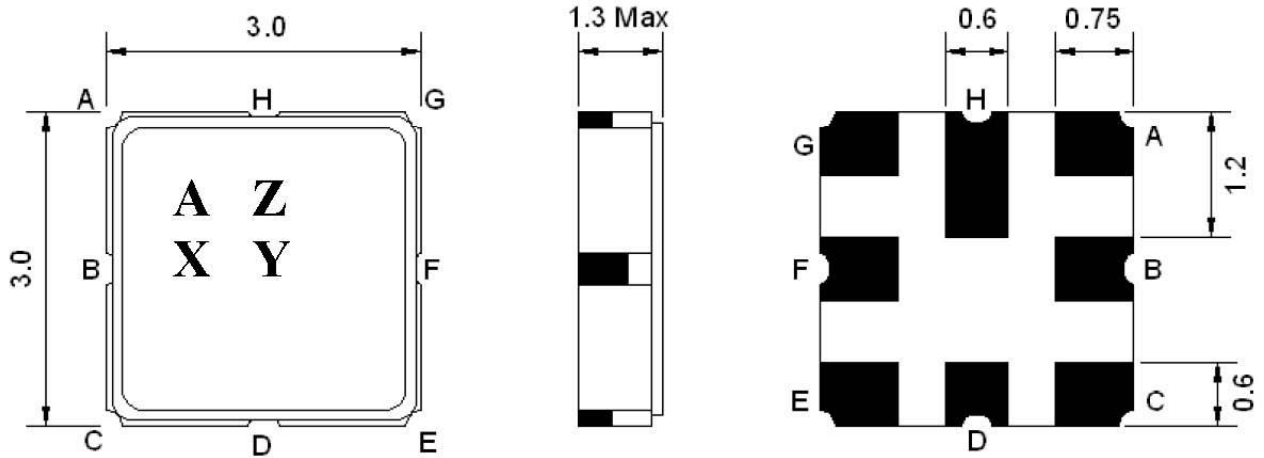


Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	422.25	-
Insertion Loss within 420.0 ~ 424.5 MHz	dB	-	2.6	4.0
VSWR within 420.0 ~ 424.5 MHz	-	-	1.9	2.5
<b>Attenuation:</b>				
0.3 ~ 410.0 MHz	dB	40	50	-
410.0 ~ 414.5 MHz	dB	35	48	-
445.0 ~ 600.0 MHz	dB	40	48	-
600.0 ~ 1200.0 MHz	dB	40	55	-
1200.0 ~ 2000.0 MHz	dB	35	50	-

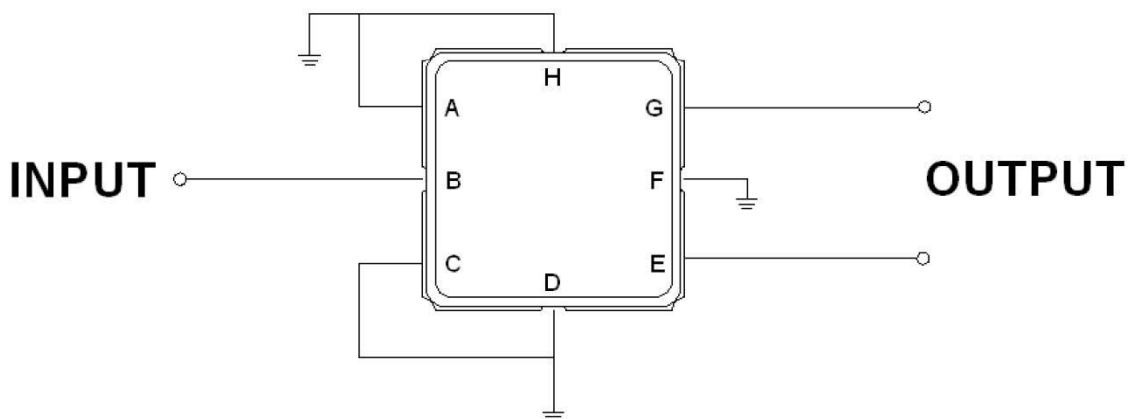
Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	27
Source Impedance (Single Ended) <sub>1</sub>	Ω	-	50	-
Load Impedance (Single Ended) <sub>1</sub>	Ω	-	50	-
Package Size and Type	3.0 x 3.0 x 1.3 mm		M1	



**Outline Drawing:**



**Testing Environment:**

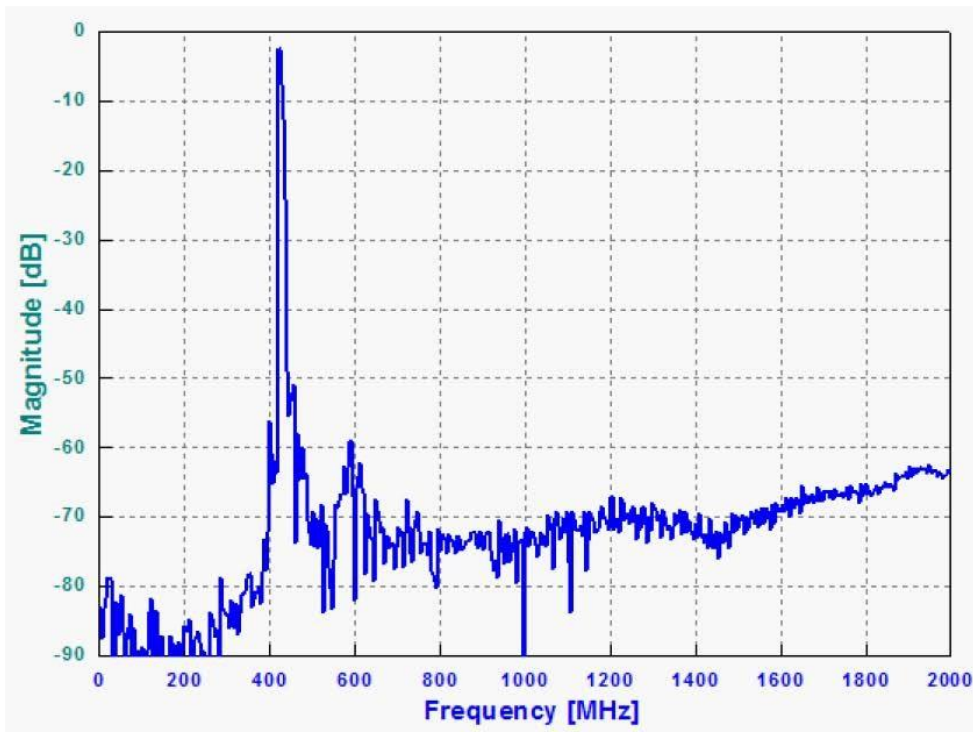
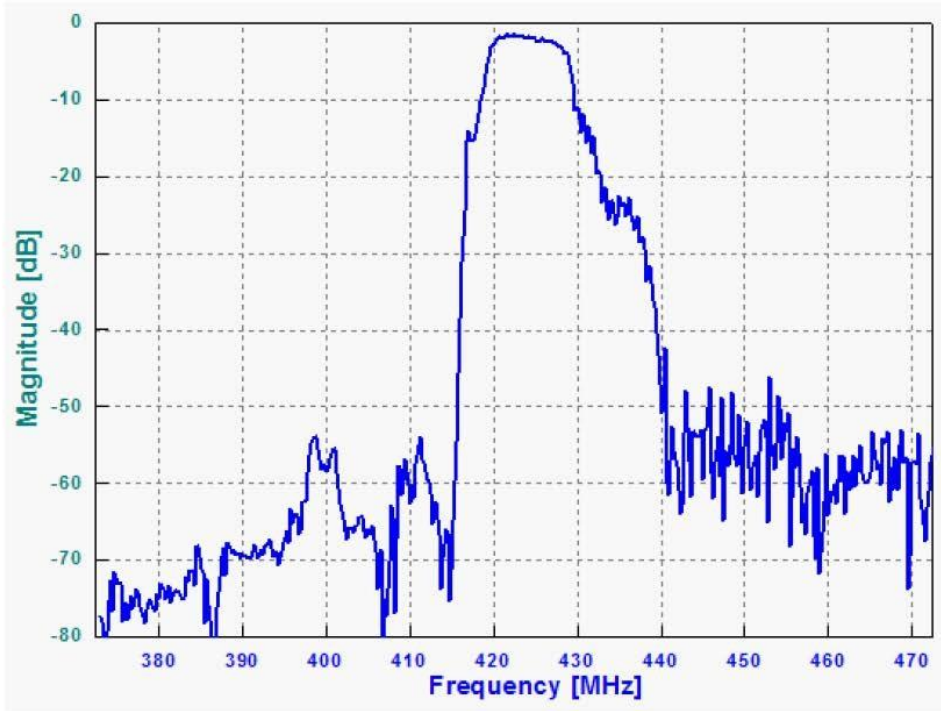


Source Impedance: 50  $\Omega$

Load Impedance : 100  $\Omega$



**Response Plot:**





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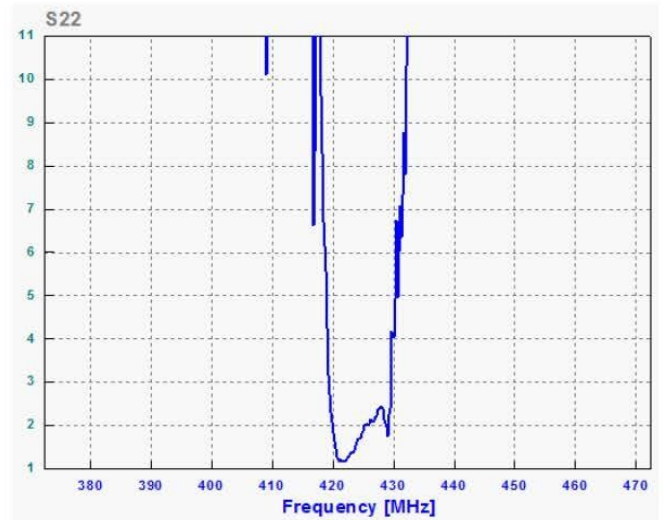
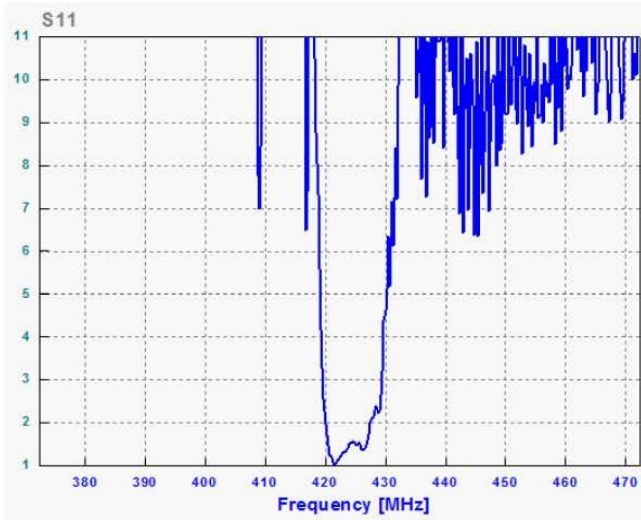
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## Response Plot:

### VSWR



## Smith Chart

