



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

413 MHz CDMA 450 D-Band RF-Tx Saw Filter

Part Number: AM413S447

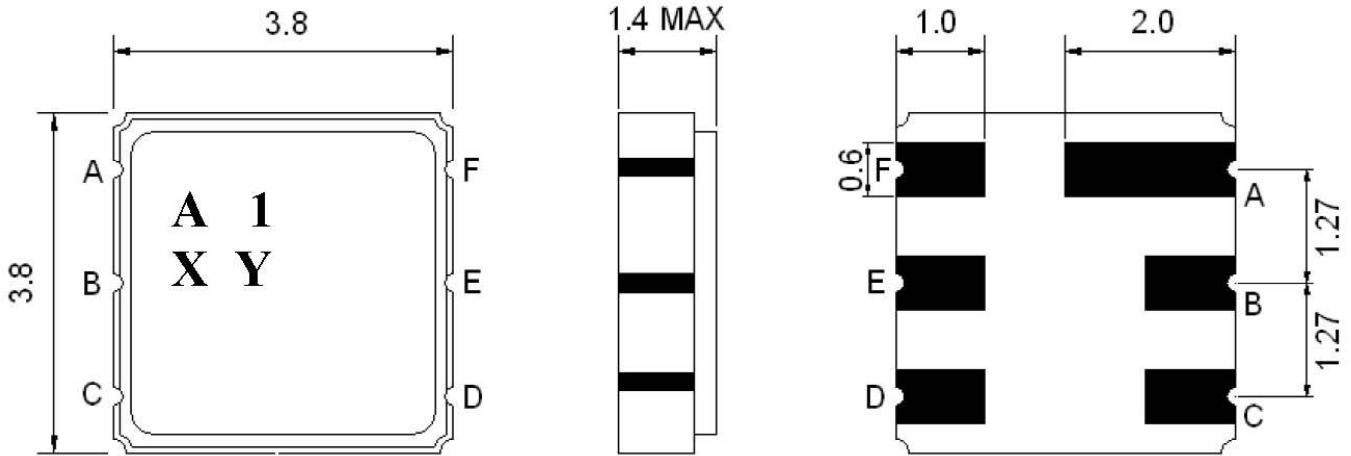


Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	413.7	-
Insertion Loss within 411.6 ~ 415.9 MHz	dB	-	1.8	2.8
VSWR within 411.6 ~ 415.9 MHz	-	-	1.5	2.0
Stop Band Attenuation:				
0.3 ~ 400.0 MHz	dB	25	27	-
421.6 ~ 425.9 MHz	dB	30	50	-
425.9 ~ 1700.0 MHz	dB	23	27	-
1700.0 ~ 2000.0 MHz	dB	18	21	-

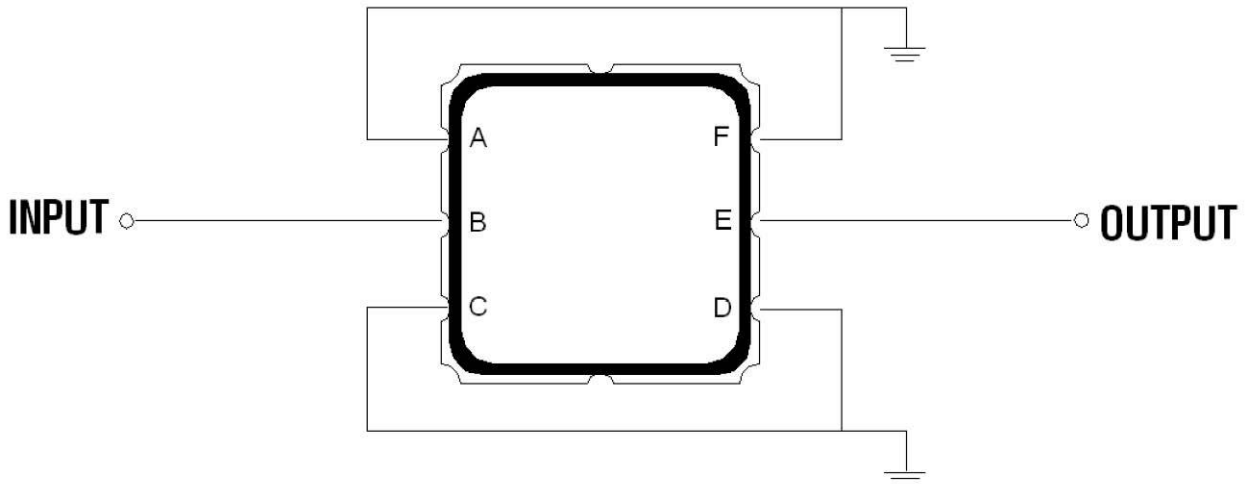
Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	30
Source Impedance (Single Ended) ₁	Ω	-	50	-
Load Impedance (Single Ended) ₁	Ω	-	50	-
Package Size and Type	3.8 x 3.8 x 1.4 mm P			



Outline Drawing:



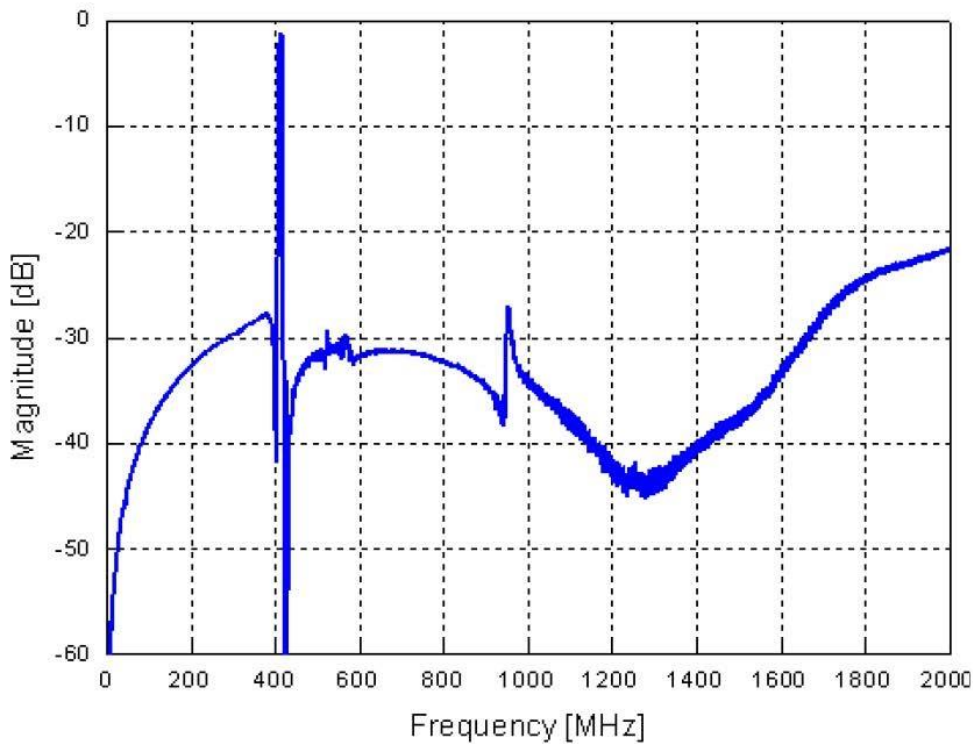
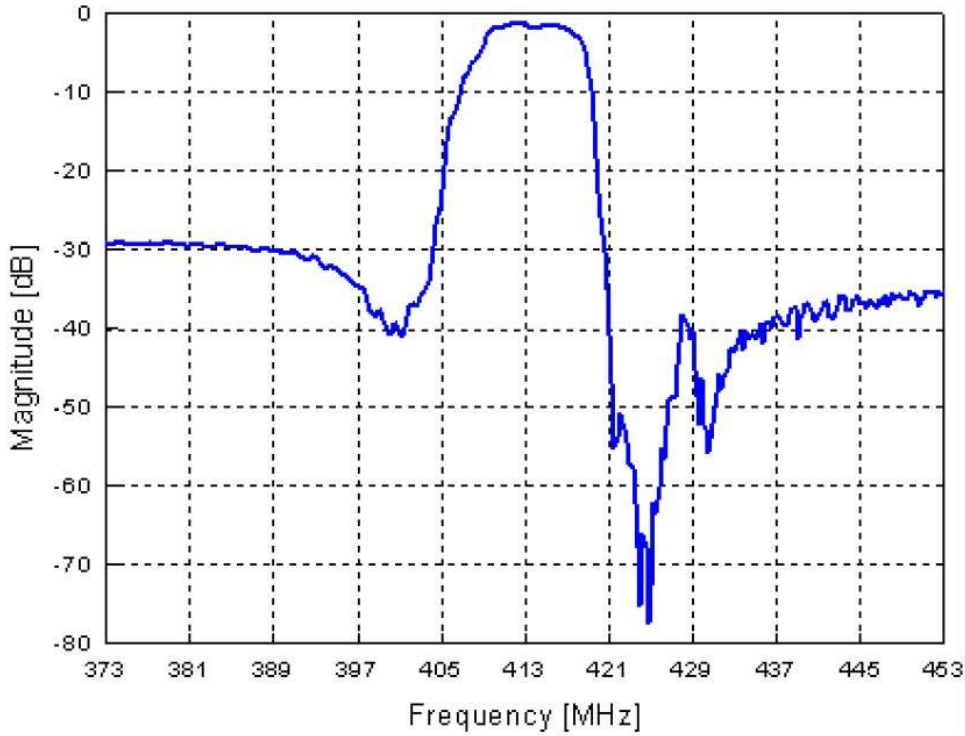
Testing Environment:



Source/Load Impedance: 50 Ω



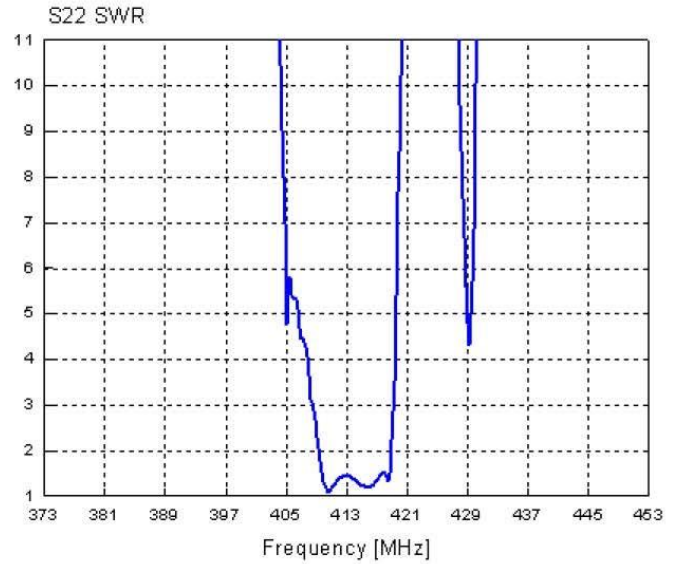
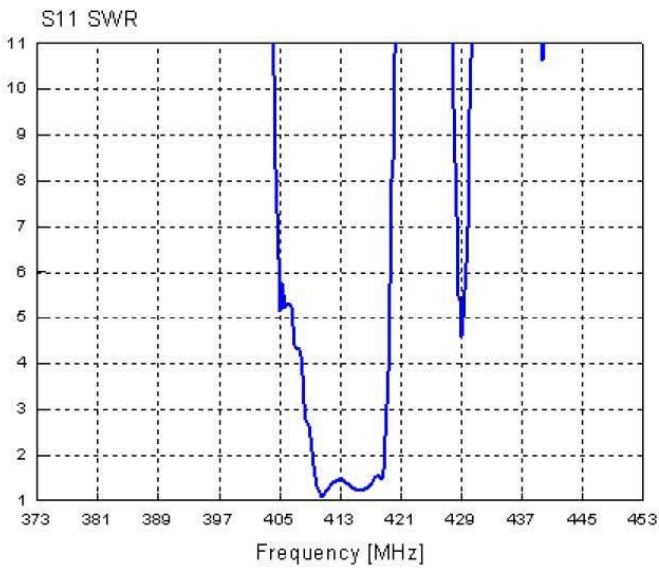
Response Plot:





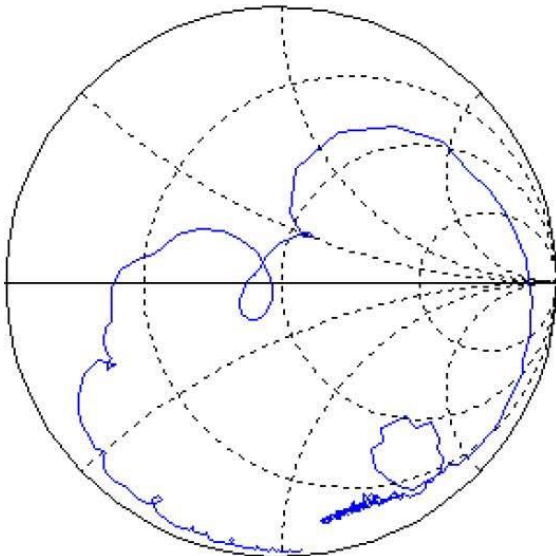
Response Plot:

VSWR



Smith Chart

S11



S22

