



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

1227 MHz GPS RF Saw Filter

Part Number: AE1227SB1141

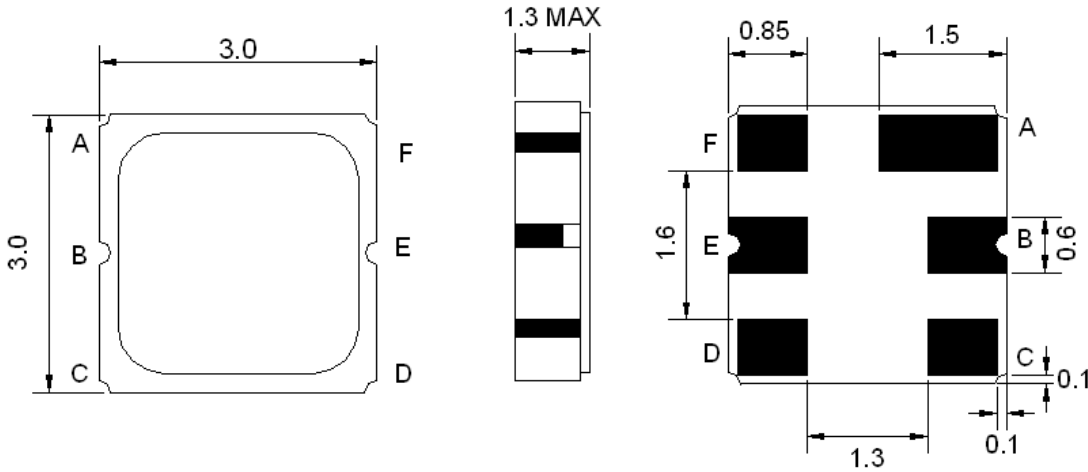


Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	1227.0	-
Insertion Loss @ 1217~1237 MHz	dB	-	1.0	2.0
Amplitude Ripple within 1217 ~ 1237 MHz	dB _{p-p}	-	0.4	1.0
VSWR within 1217 ~ 1237 MHz	-	-	1.6	2.0
Attenuation:				
DC ~ 600 MHz	dB	17	20	-
600 ~ 1170 MHz	dB	15	18	-
1277 ~ 1290 MHz	dB	20	30	-
1290 ~ 3000 MHz	dB	15	20	-

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-30	-	+75
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	10
Maximum Input Power	dBm	-	-	10
Source Impedance (Single Ended) ₁	Ω	-	50	-
Load Impedance (Single Ended) ₁	Ω	-	50	-
Package Size and Type	3.0 x 3.0 x 1.3 mm			



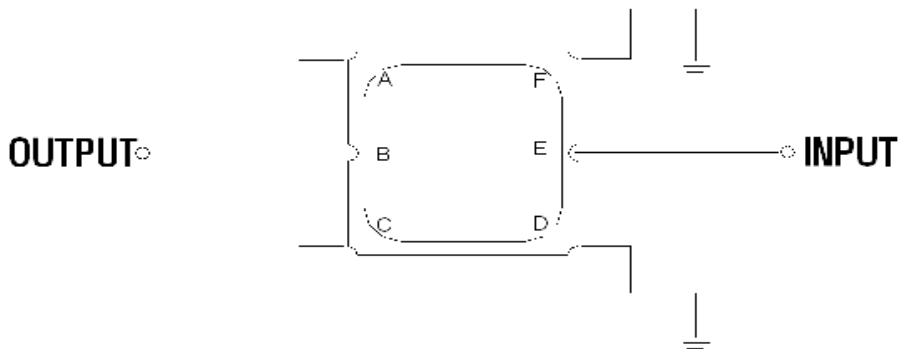
Outline Drawing:



Pin Description:

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

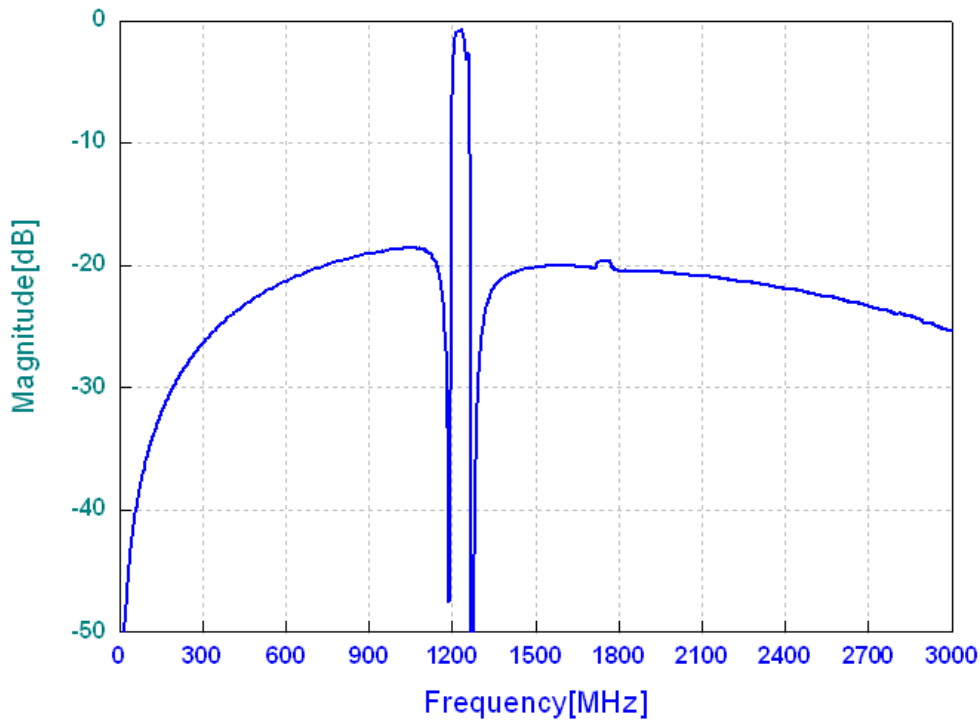
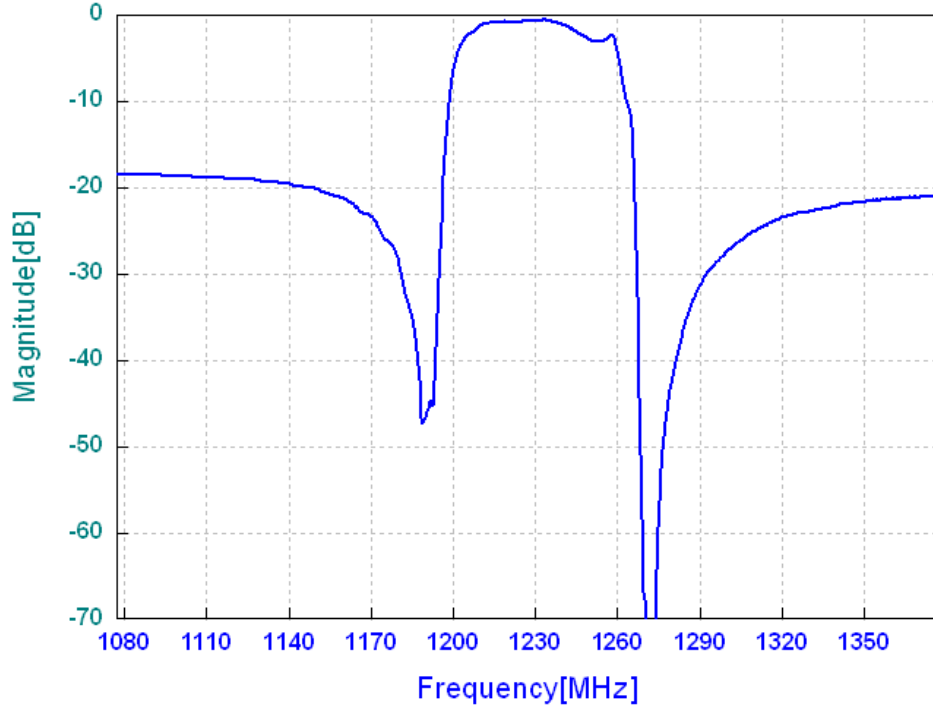
Testing Environment:



Source/Load Impedance: 50 Ω

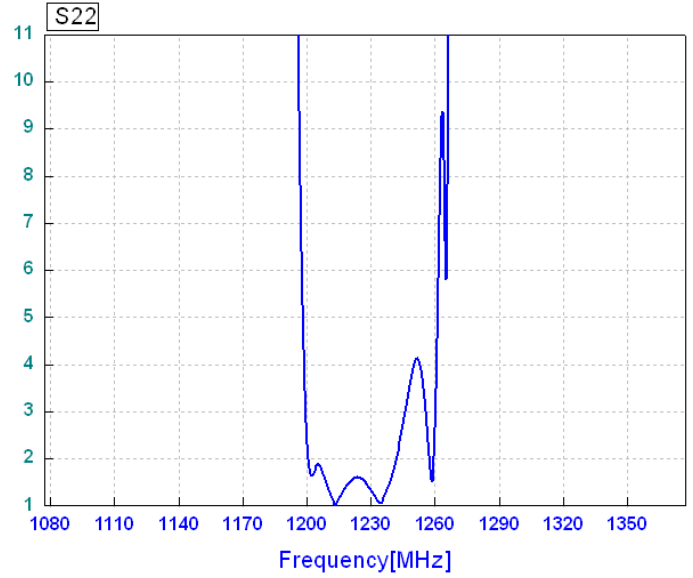
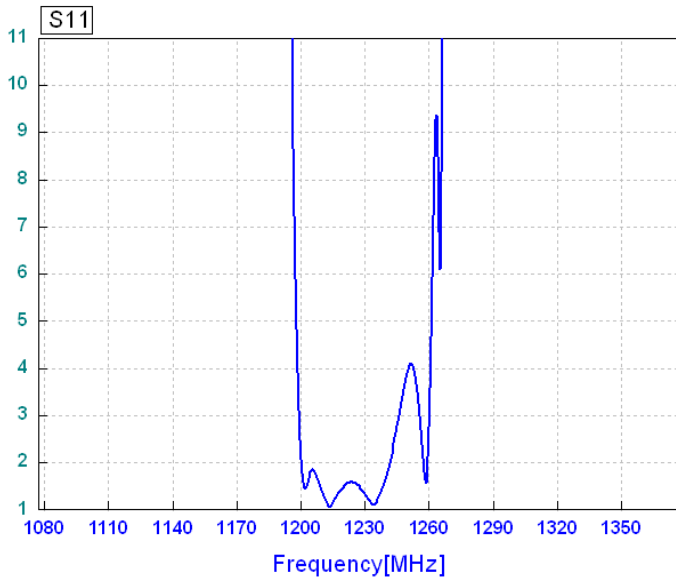


Response Plot:





VSWR:



Smith Chart:

