



1227 MHz GPS RF Saw Filter

Part Number: AM1227S358

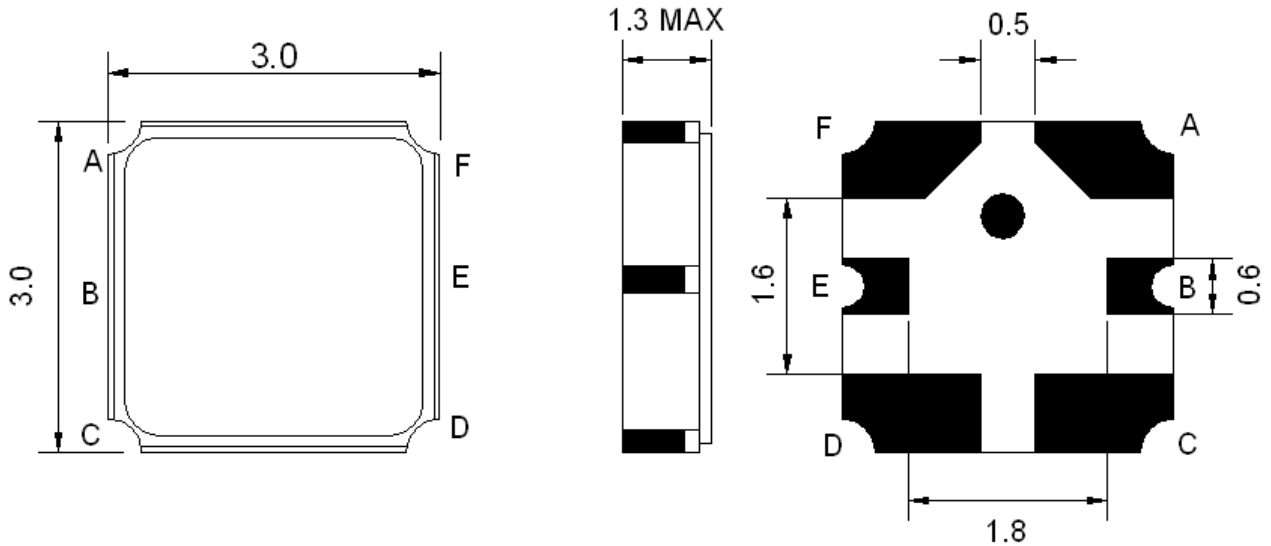


Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	1227.0	-
Insertion Loss within 1217 ~ 1237 MHz	dB	-	1.6	2.5
Amplitude Ripple within 1217 ~ 1237 MHz	dB _{p-p}	-	0.5	2.0
Group Delay Ripple within 1217 ~ 1237 MHz	nsec	-	7	25
VSWR within 1217 ~ 1237 MHz	-	-	1.6	2.2
Attenuation:				
DC ~ 450 MHz	dB	25	30	-
450 ~ 1150 MHz	dB	24	25	-
1150 ~ 1177 MHz	dB	20	34	-
1277 ~ 1300 MHz	dB	20	34	-
1300 ~ 2000 MHz	dB	27	29	-

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-25	-	+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		B2	



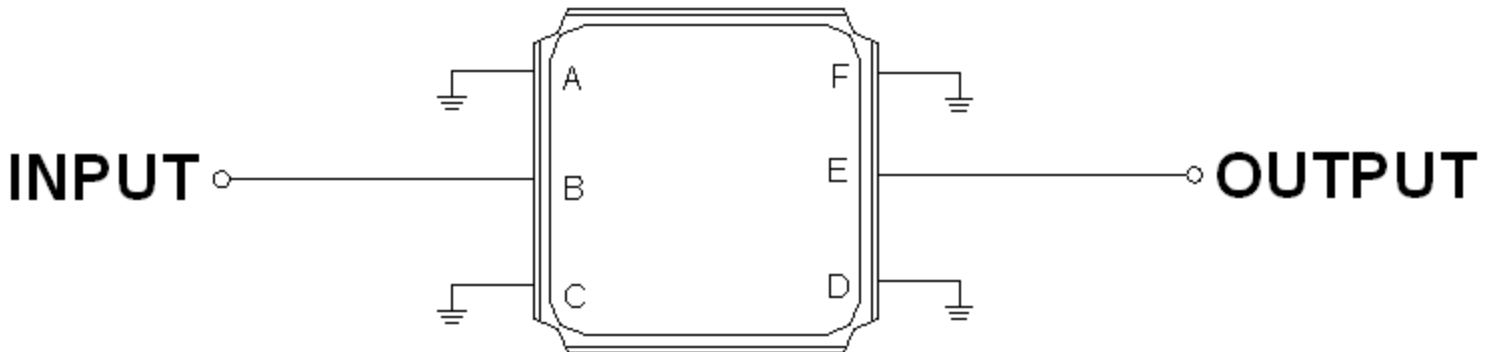
Outline Drawing:



Pin Description:

Ground – A C D F
Input – B
Output – E

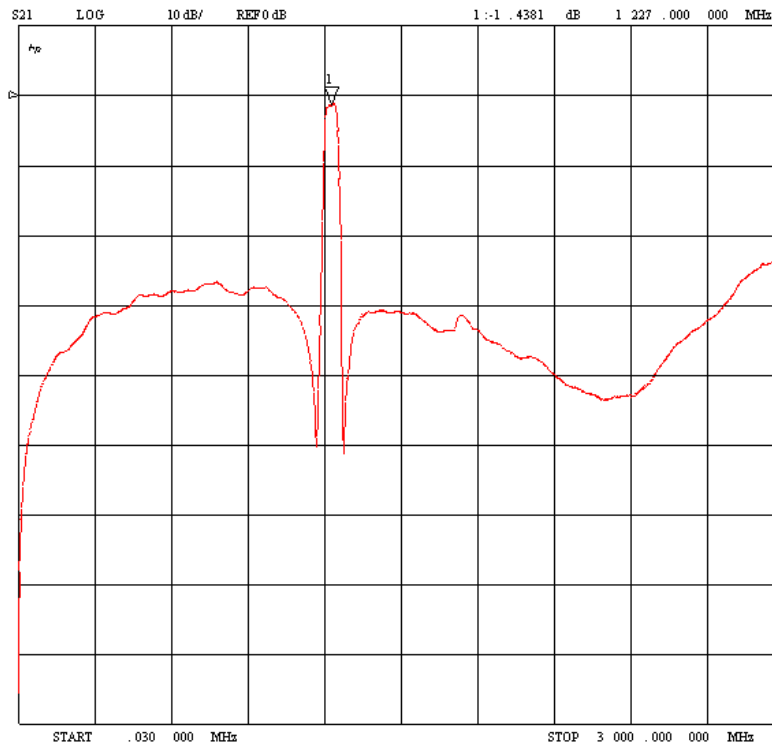
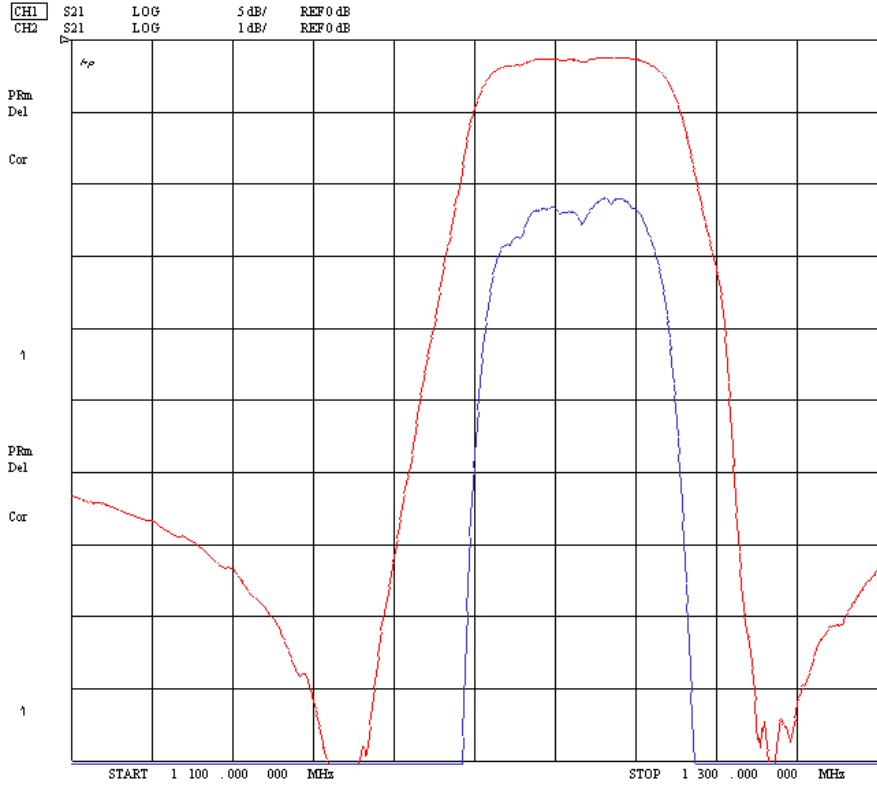
Testing Environment:



Source/Load Impedance: 50 Ω

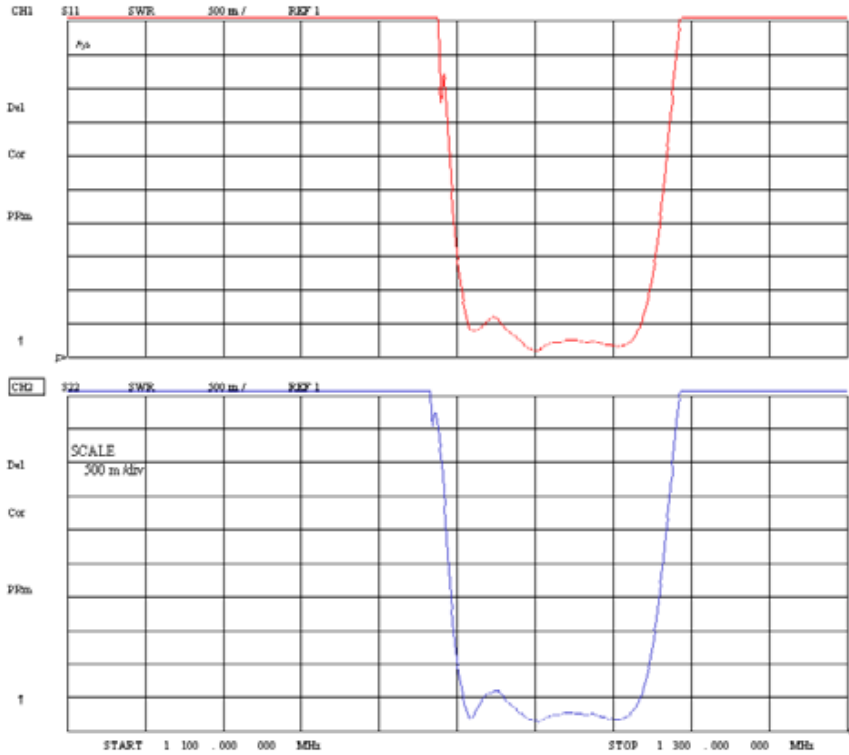


Response Plot:

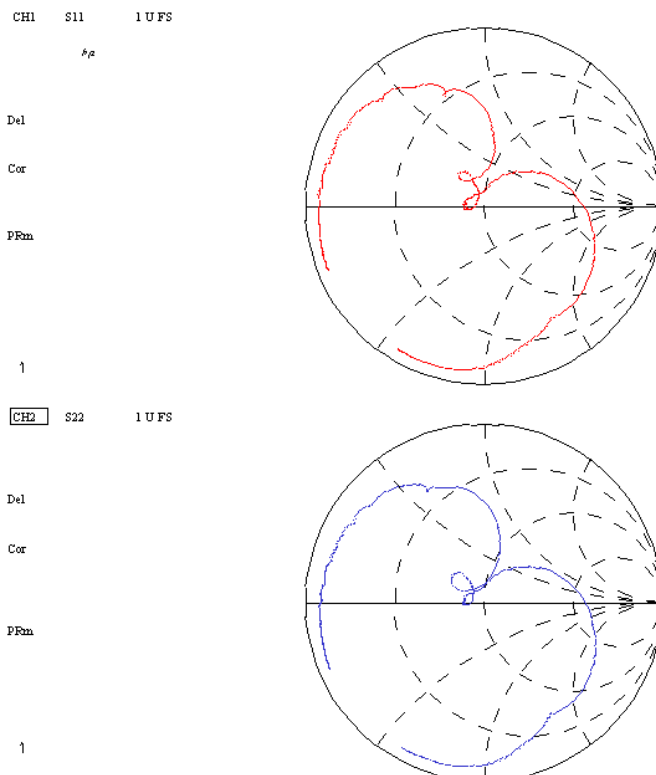




VSWR:



Smith Chart:





Group Delay:

