



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

1575 MHz GPS RF Saw Filter

Part Number: AM1575S1051

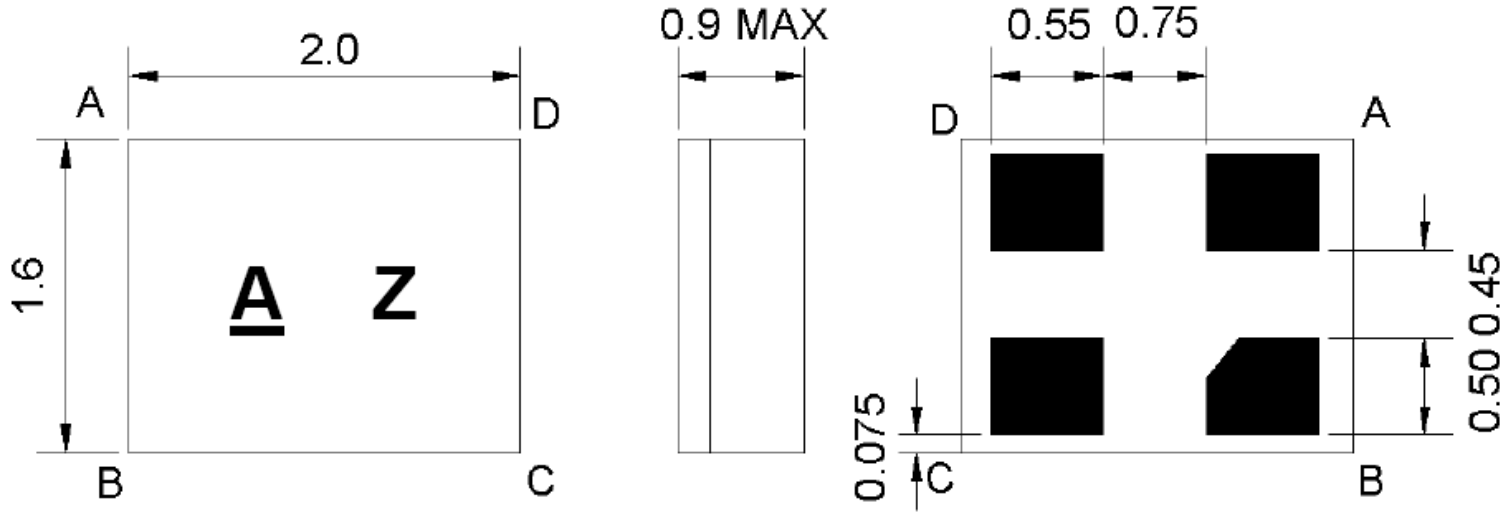


Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	1575.42	-
Insertion Loss within 1574.42 ~ 1576.42 MHz	dB	-	1.2	1.6
Amplitude Ripple within 1574.42 ~ 1576.42 MHz	dBp-p	-	0.1	0.8
VSWR within 1574.42 ~ 1576.42 MHz	-	-	1.2	1.8
-2 dB Bandwidth	MHz	-	42	-
Attenuation:				
DC ~ 1000 MHz	dB	20	34	-
1500 MHz	dB	33	38	-
1625 ~ 1635 MHz	dB	30	39	-
1800 ~ 3000 MHz	dB	25	32	-

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	7.5
Maximum Input Power	dBm	-	-	10
Source Impedance (Single Ended) ₁	Ω	-	50	-
Load Impedance (Single Ended) ₁	Ω	-	50	-
Package Size and Type	2.0 x 1.6 x 0.9 mm		J2	



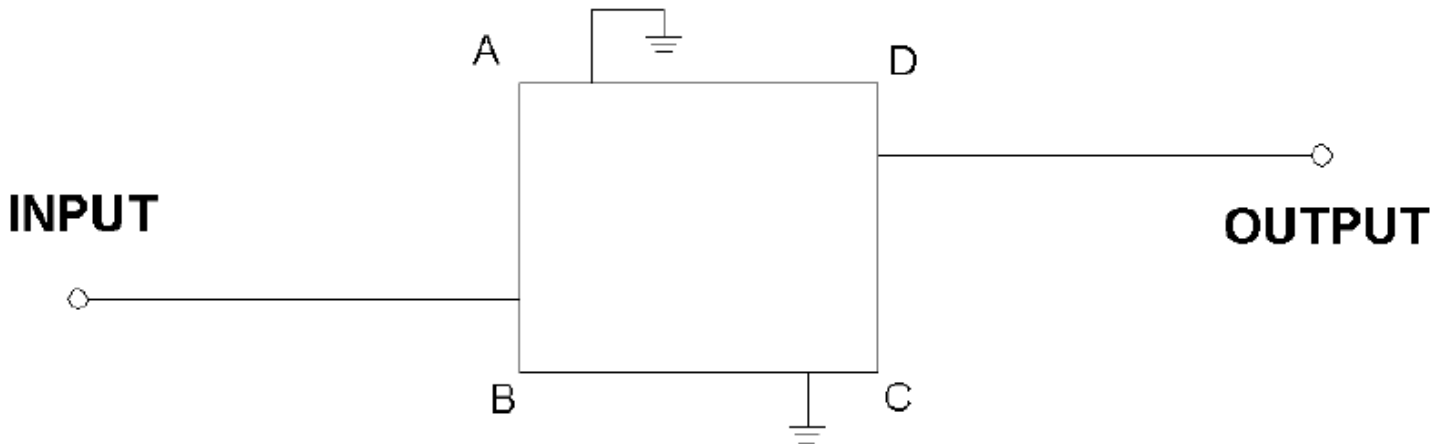
Outline Drawing:



Pin Description:

Ground – A C
Input – B
Output – D

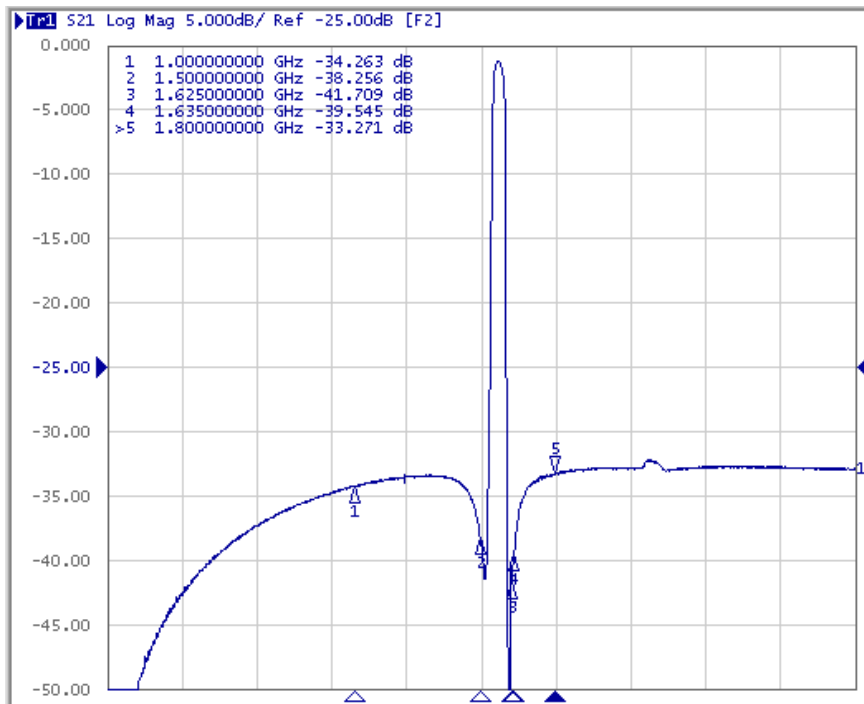
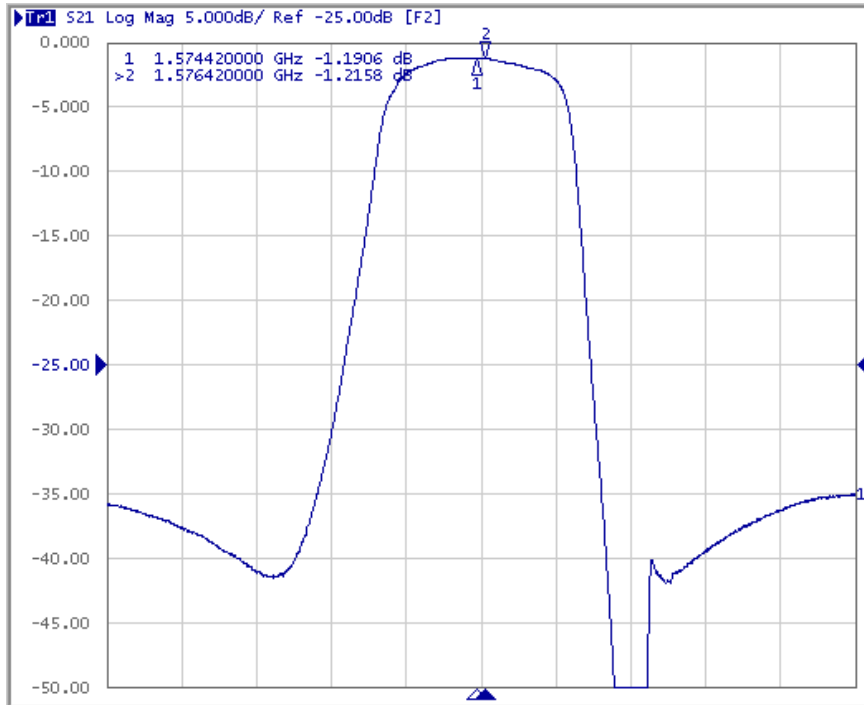
Testing Environment:



Source/Load Impedance: 50 Ω

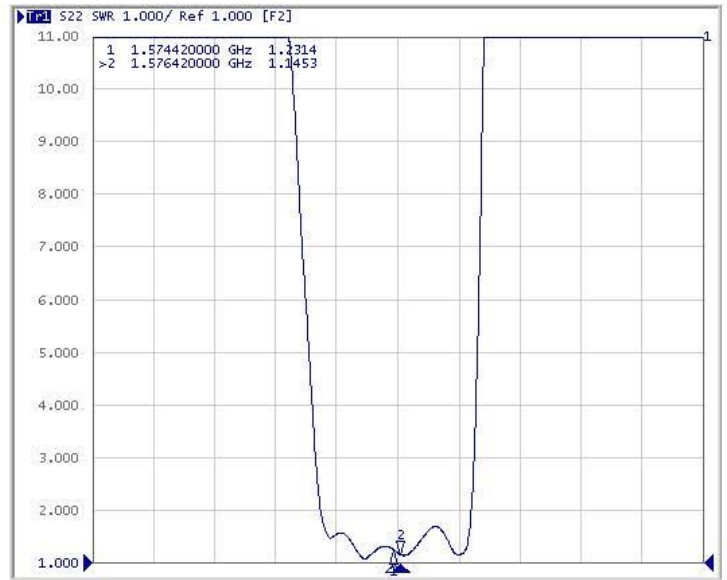
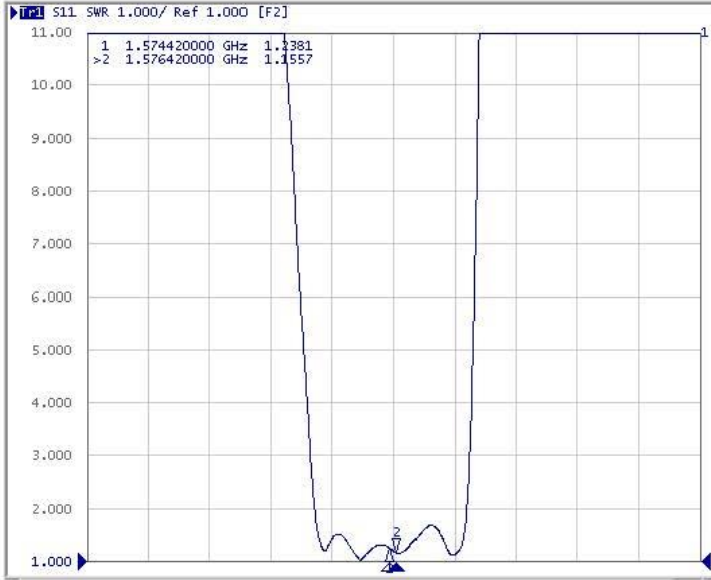


Response Plot:





VSWR:



Smith Chart

