



Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	1575.42	-
Insertion Loss within 1574.42 ~ 1576.42 MHz	dB	-	2.1	2.6
Amplitude Ripple within 1574.42 ~ 1576.42 MHz	dB _{p-p}	-	0.1	0.5
Attenuation:				
DC ~ 1450 MHz	dB	30	35	-
1450 ~ 1475 MHz	dB	25	30	-
1475 ~ 1525 MHz	dB	18	33	-
1625 ~ 1675 MHz	dB	10	15	-
1675 ~ 1775 MHz	dB	20	24	-
1775 ~ 3000 MHz	dB	30	34	-
Input VSWR within 1574.42 ~ 1576.42 MHz	-	-	1.2	1.8
Output VSWR within 1574.42 ~ 1576.42 MHz	-	-	1.4	1.8
Output Amplitude Balance (s ₃₁ / s ₂₁)	dB	-1.5	0.5	1.5
Output Phase Balance (∠s ₃₁ - ∠s ₂₁ + 180)	Degree	-15	9.4	15
Symmetry in Band (1574.42 ~ 1576.42 MHz)			-	

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	7.5
Maximum Input Power	dBm	-	-	20
Source Impedance (Single Ended) ₁	Ω	-	50	-
Load Impedance (Balanced Ended) ₁	Ω	-	100	-
Package Size and Type		3.0 x 3.0 x 1.3 mm		M1



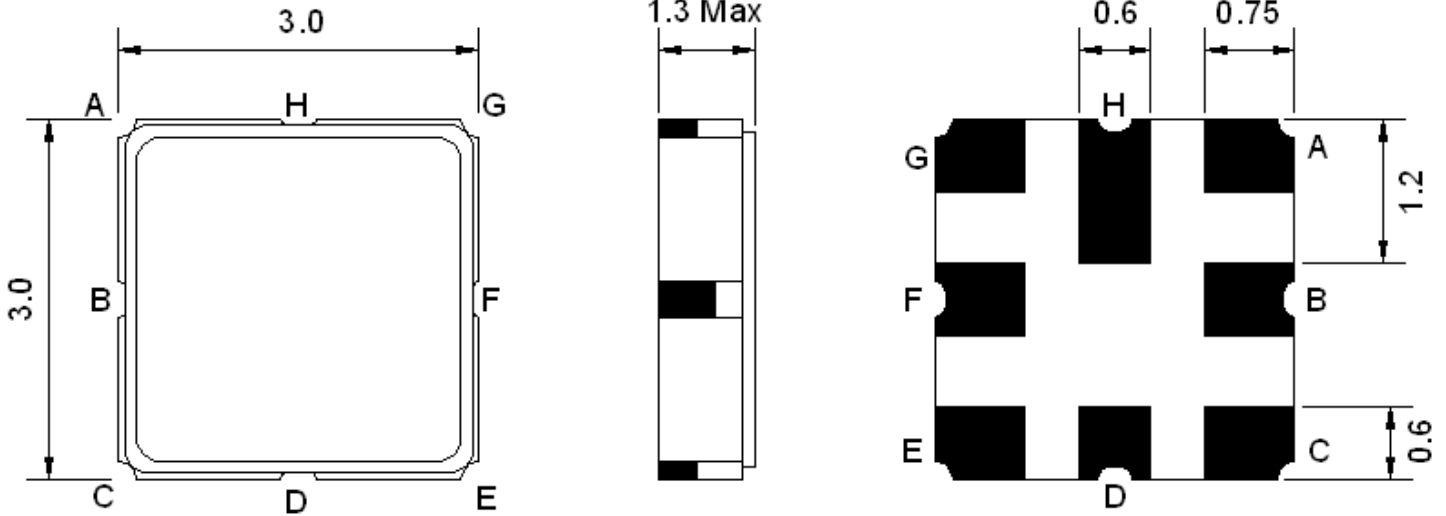
1575 MHz GPS Balanced RF Saw Filter



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

Part Number: AM1575S375

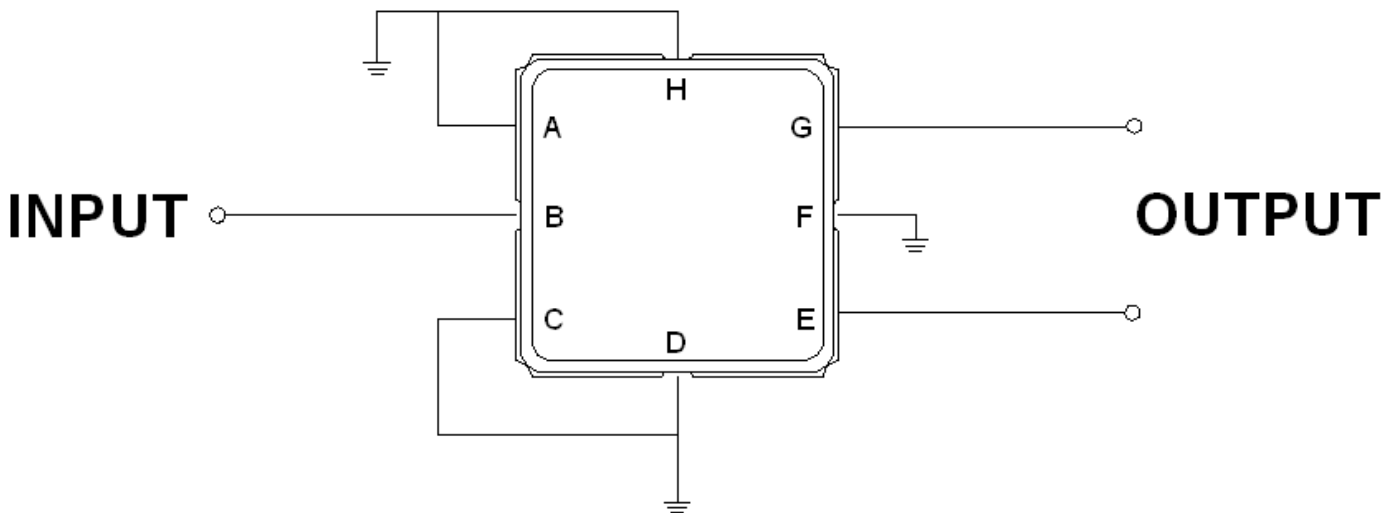
Outline Drawing:



Pin Description:

Ground – A C D F H
 Input – B
 Output – E G

Testing Environment:

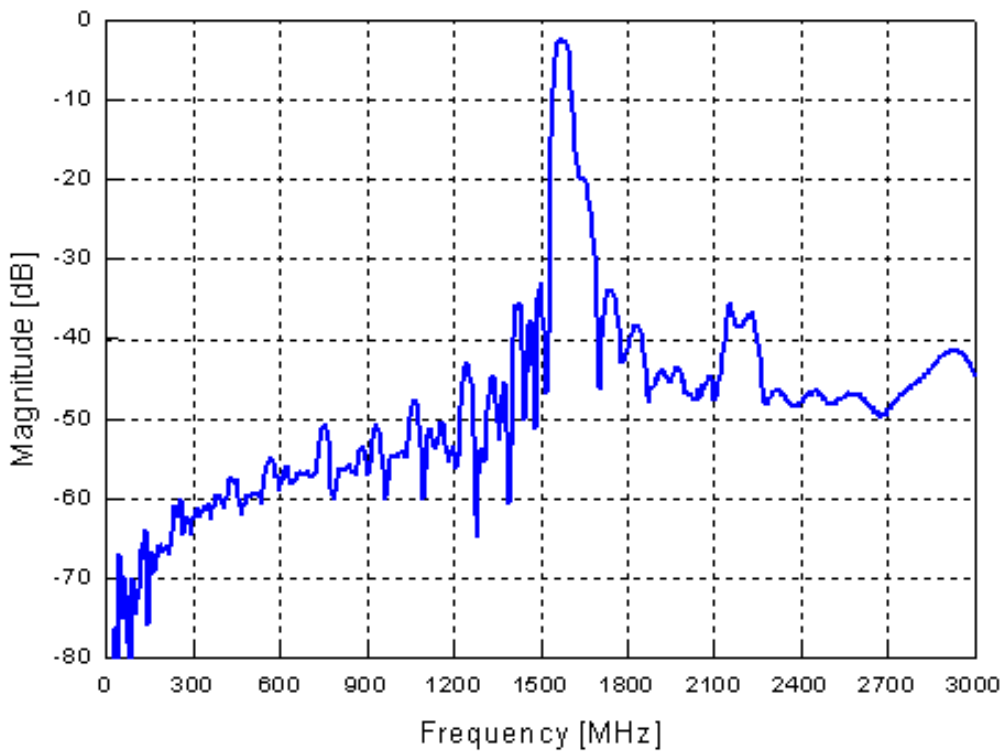
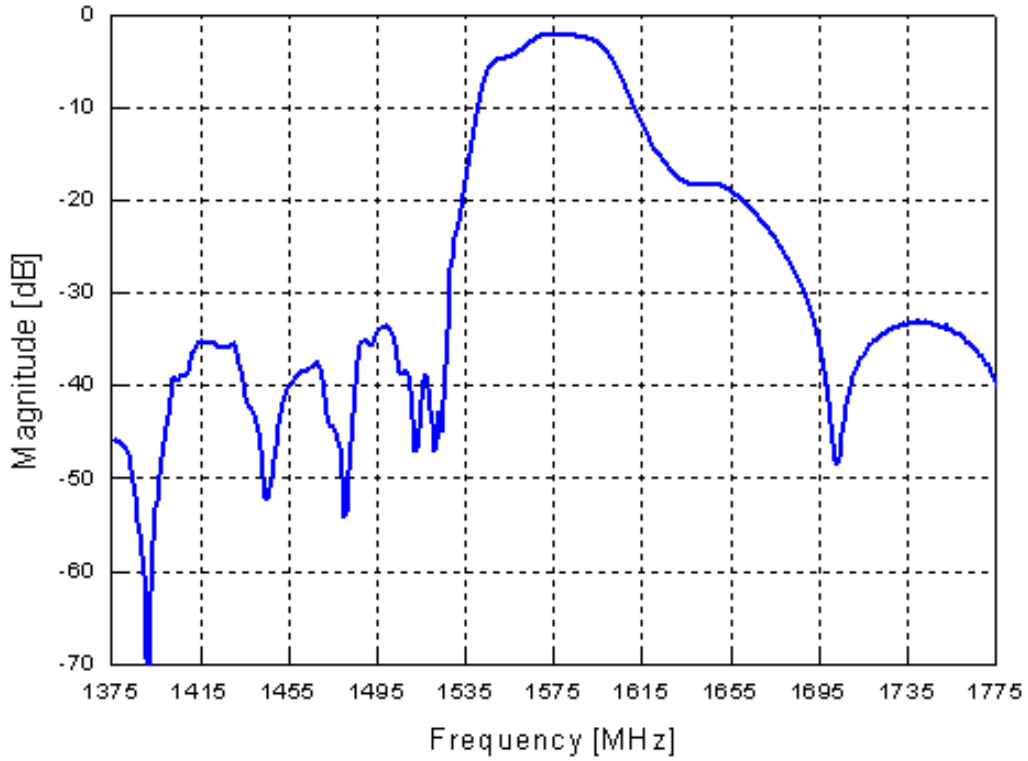


Source Impedance: 50 Ω

Load Impedance: 100 Ω

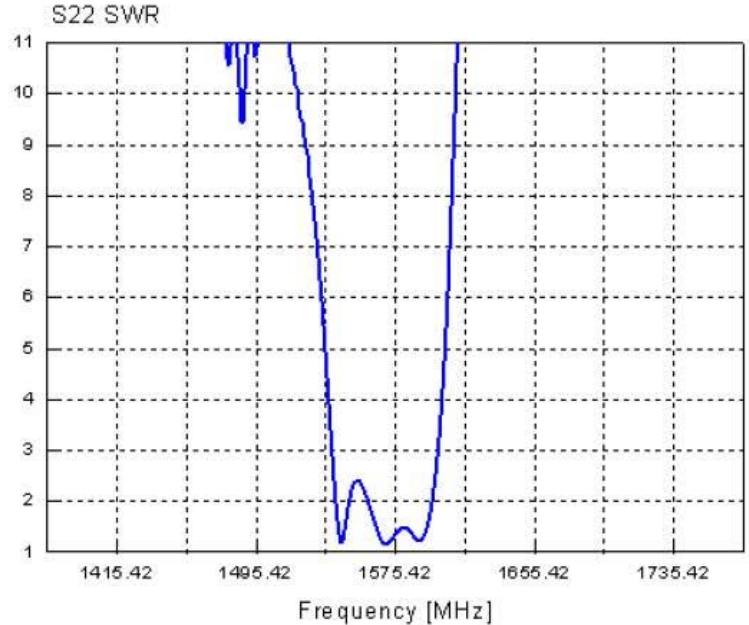
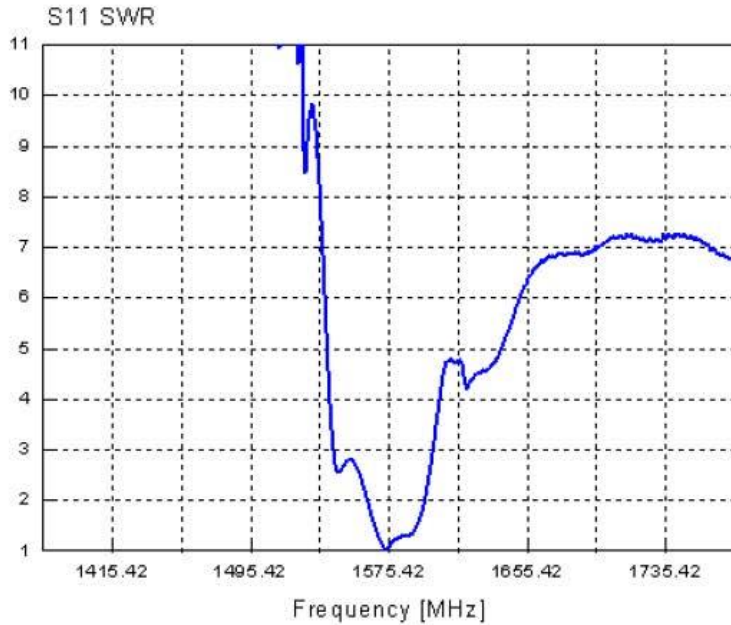


Response Plot:





VSWR



Smith Chart

