



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

1575.42 MHz GPS, RF Saw Band Pass Filter

Part Number: AM1575S1110



Electrical Specifications:

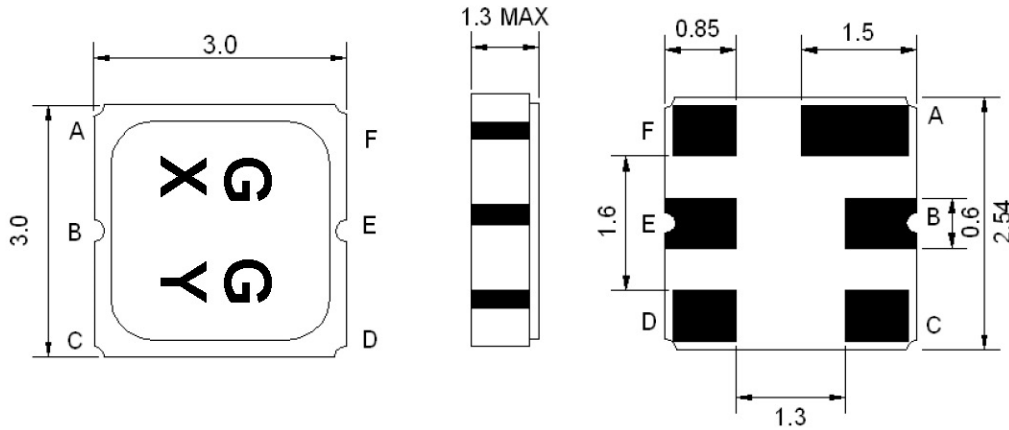
Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	1575.42	-
Insertion Loss within 1574.42~1576.42 MHz	dB	-	2.9	4.0
Amplitude Ripple within 1574.42~1576.42 MHz	dBp-p	-	0.1	1.5
VSWR within 1574.42~1576.42 MHz	dB	-	1.55	2.5
Attenuation:				
1.0-890.0 MHz	dB	40	60	-
890.0-1475.0 MHz	dB	36	55	-
1475.42 MHz	dB	36	50	-
1535.42 MHz	dB	29	50	-
1615.42 MHz	dB	25	42	-
1675.42 MHz	dB	40	55	-
1700.0~3000.0 MHz	dB	25	38	-

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-50	-	+100
Maximum DC Voltage	V	5		
Maximum Input Power	dBm	10		
Source Impedance (Single Ended) ₁	Ω	50		
Load Impedance (Single Ended) ₁	Ω	50		
Package Size and Type	mm	3.0 x 3.0 x 1.3	M	

Notes: (1) No Matching Network (Ref. Testing Environment Circuit as show below.



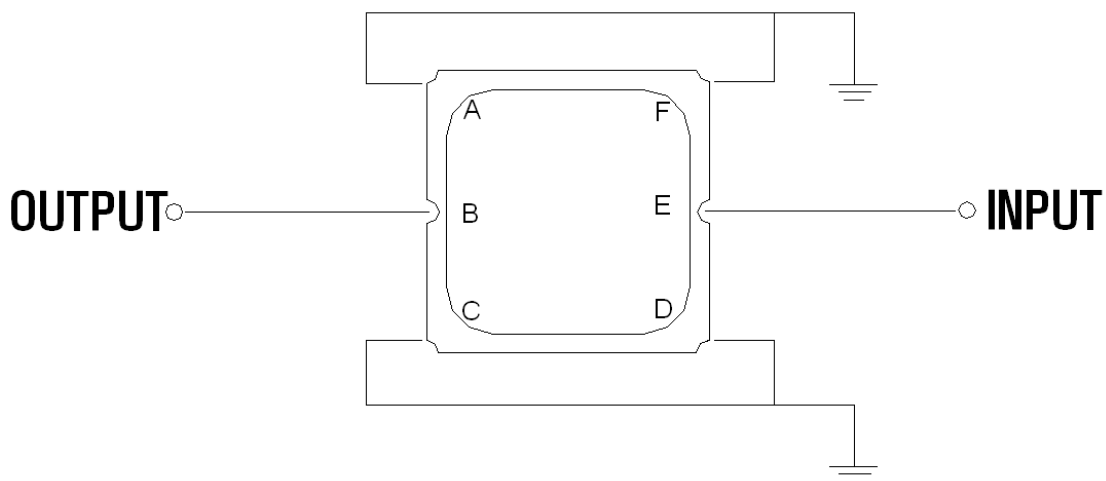
Outline Drawing:



Marking Descriptions	
G	GPS Application
G	Series Number
X	Date Code(Year)
Y	Date Code(Month)

Pin Description	
A, C, D, F	Ground
B	In or Out
E	Out or In

Testing Environment:



Source and Load Impedance: 50 Ω



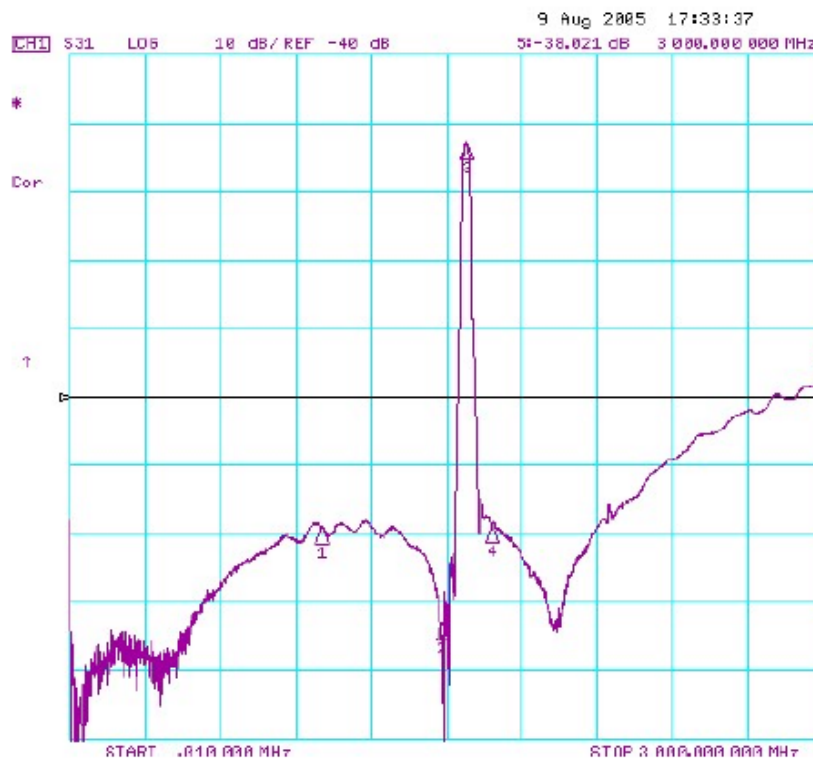
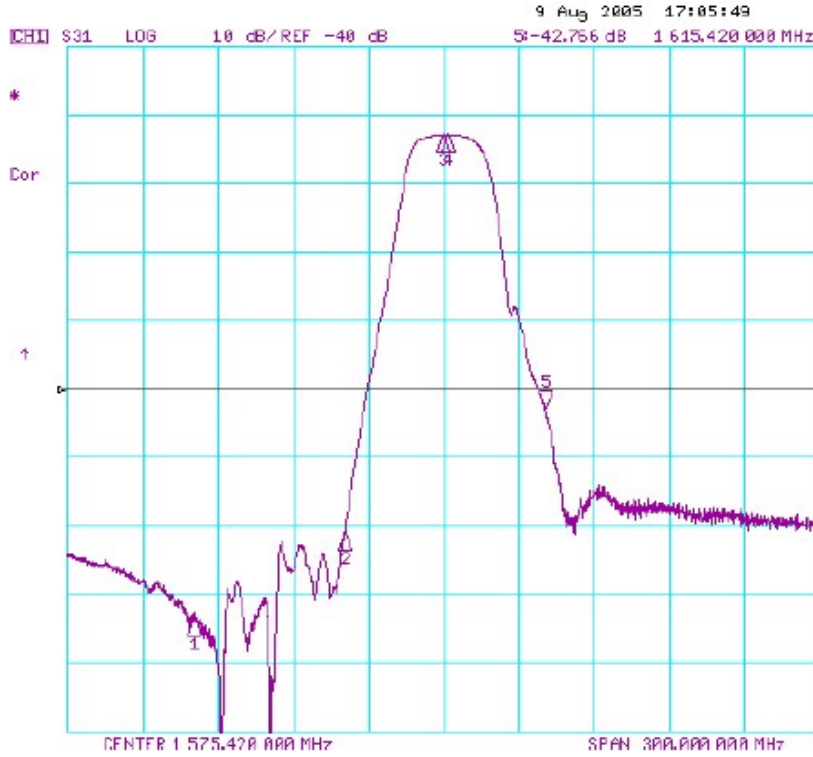
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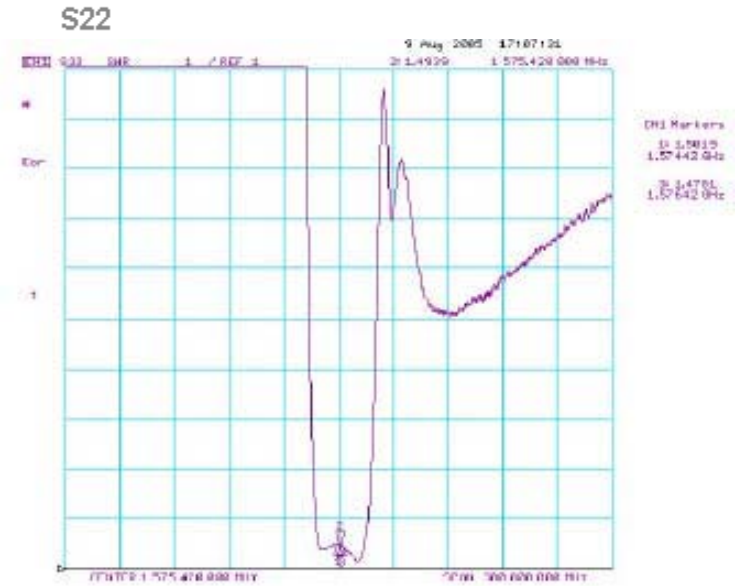
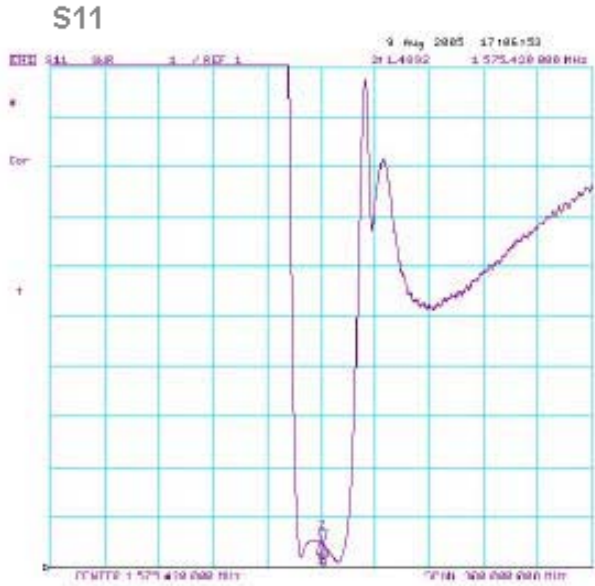


Frequency Response:





VSWR:



Smith Chart:

