



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

1575.42 MHz Wireless, Balanced RF Saw Band Pass Filter

Part Number: AM1575S1111



Electrical Specifications:

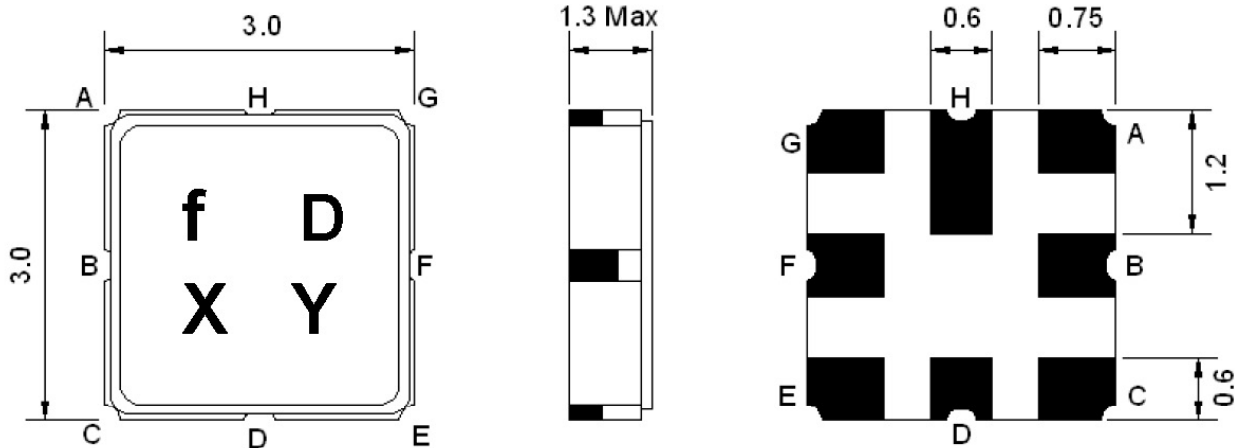
Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	1575.42	-
Insertion Loss within 1565.42~1585.42 MHz	dB	-	3.0	4.0
Amplitude Ripple within 1565.42~1585.42 MHz	dBp-p	-	1.0	2.0
Group Delay Variation within 1565.42~1585.42 MHz	nsp-p	-	10	30
Return Loss within 1565.42~1585.42 MHz	dB	9	10.5	-
Attenuation:				
DC~1480.0 MHz	dB	45	49	-
1710.0~2400.0 MHz	dB	43	47	-

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	3		
Maximum Input Power	dBm	10		
Source Impedance (Balanced) ₁	Ω	200		
Load Impedance (Balanced) ₁	Ω	200		
Package Size and Type	mm	3.0 x 3.0 x 1.3	S21	

Notes: (1) No Matching Network



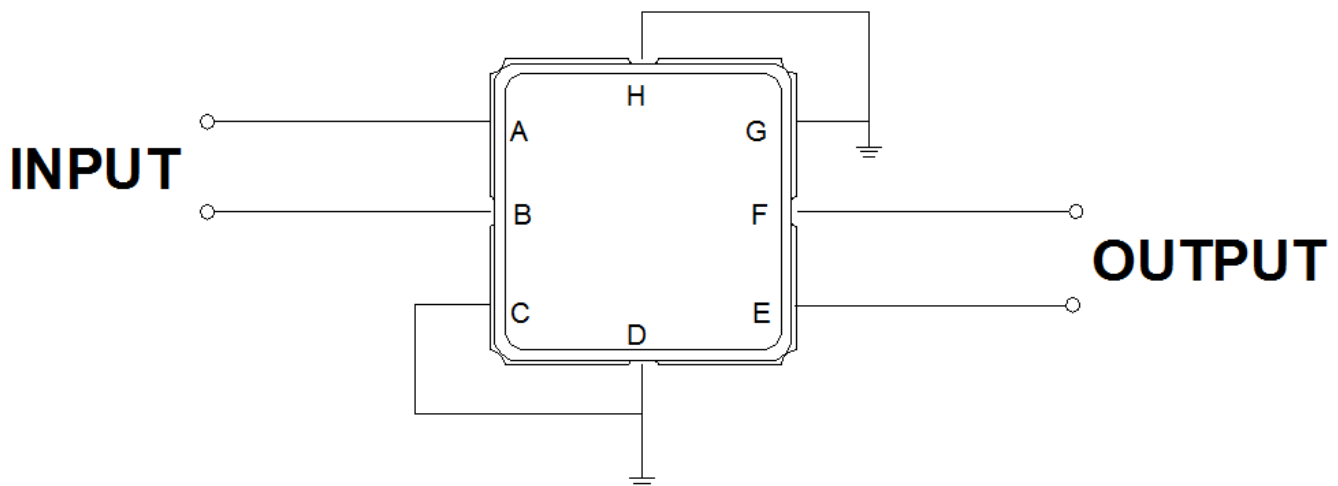
Outline Drawing:



Marking Descriptions	
f	Wireless Application
D	Series Number
X	Date Code(Year)
Y	Date Code(Month)

Pin Description	
C,D,G,H	Ground
A,B	Balanced Input
E,F	Balanced Output

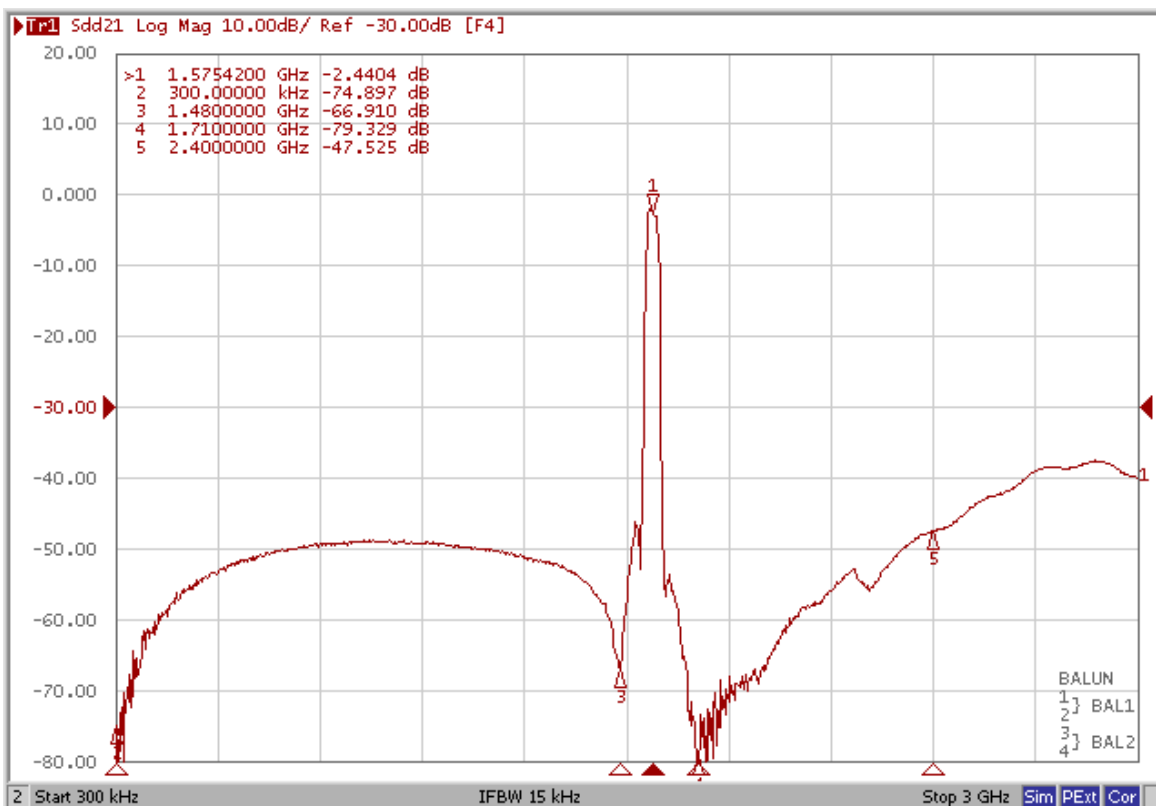
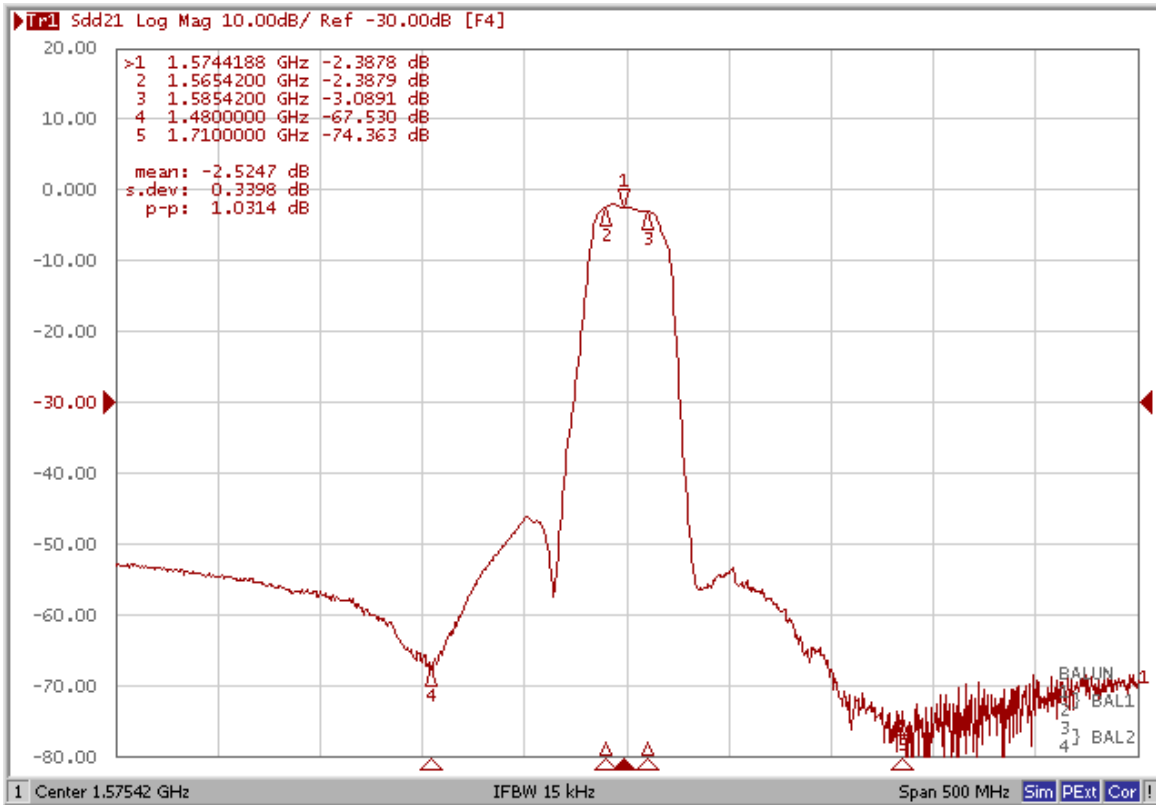
Testing Environment:



Source and Load Impedance: 200 Ω



Frequency Response:





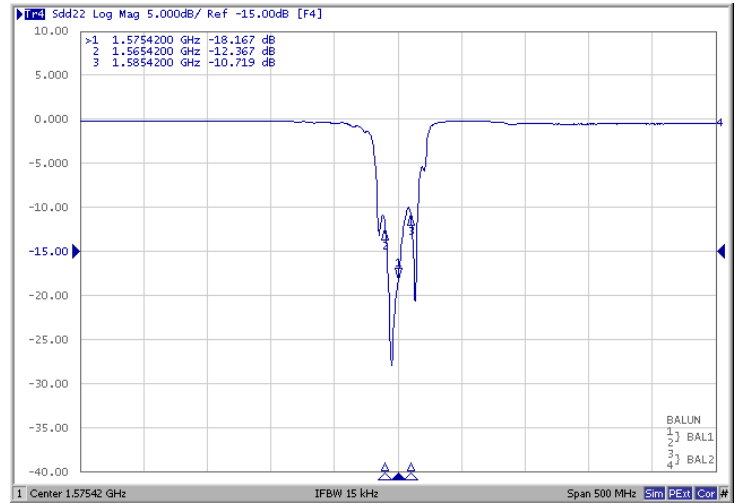
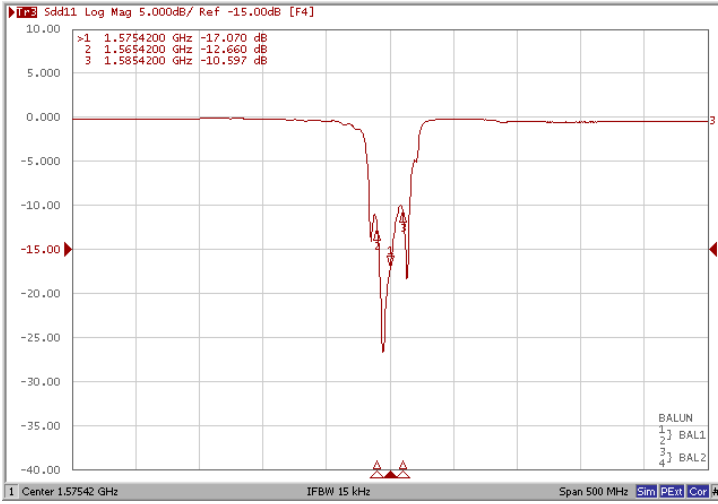
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Return Loss:



Smith Chart:

