



Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	77.42	77.50	77.58
Insertion Loss at Fo	dB	-	21.90	22.50
Passband Ripple Variation	dB	-	0.70	0.95
Group Delay Variation	nsec	-	45	100
Absolute Delay at Fo	usec	-	2.29	-
Bandwidth at -1.0 dB	MHz	-	14.20	-
Bandwidth at -3.0 dB	MHz	14.40	14.53	-
Bandwidth at -50.0 dB	MHz	-	15.95	16.15
Ultimate Rejection	dB	50	53	-
Temperature Coefficient	ppm/°C	-	-72	-

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-30	-	+80
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	20.0 x 9.8 x 1.8 mm		D1	



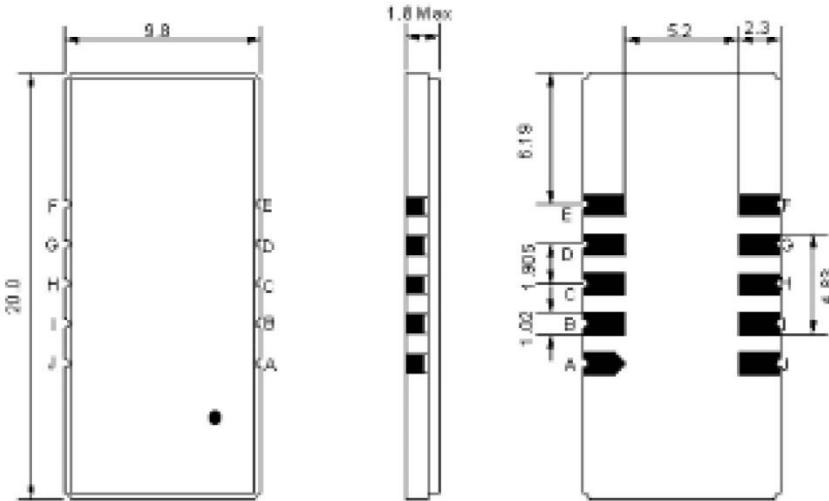
77 MHz IF Saw Filter 14 MHz Bandwidth

Part Number: AM77S567



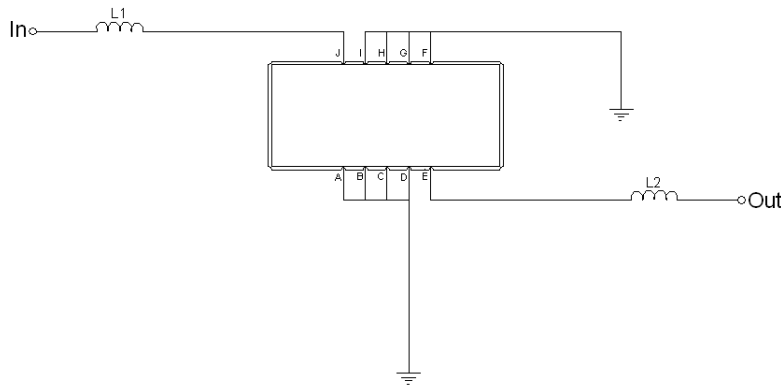
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Outline Drawing:



Pin Description	
Ground	A B C D F G H I
Input	J
Output	E

Testing Environment:



Test Fixture & Values	
Input	L1 = 120 nH
Output	L2 = 47 nH
Sour/Load Impedance	50 Ω



77 MHz IF Saw Filter 14 MHz Bandwidth

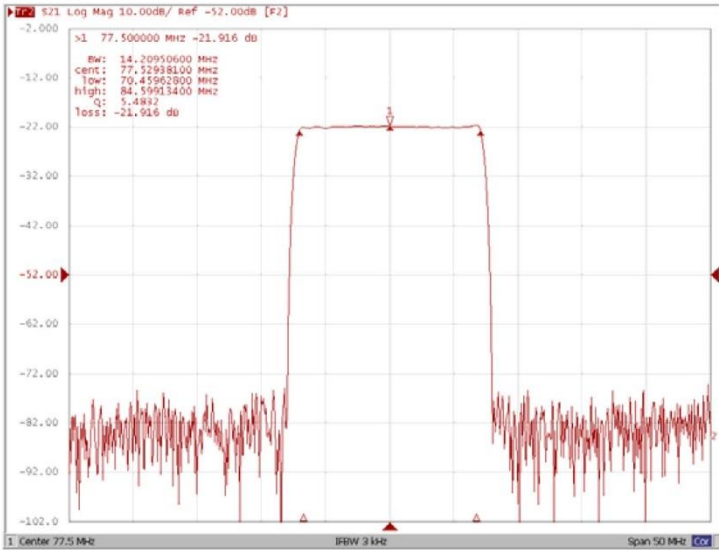
Part Number: AM77S567



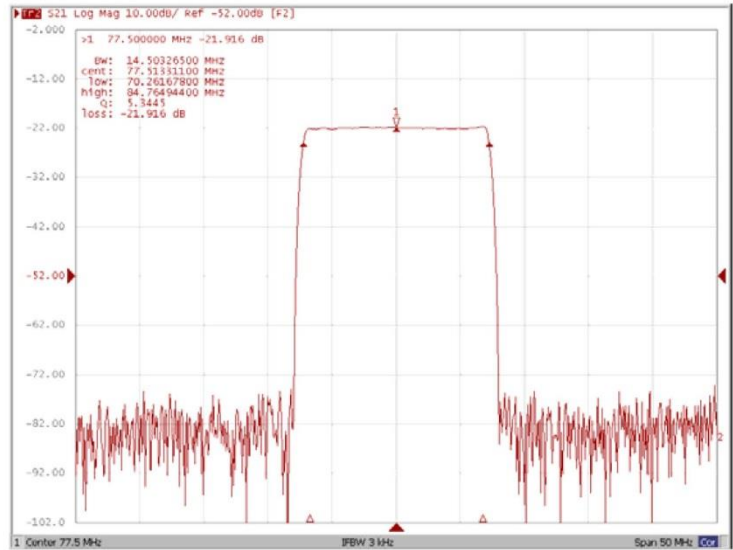
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Frequency Response:

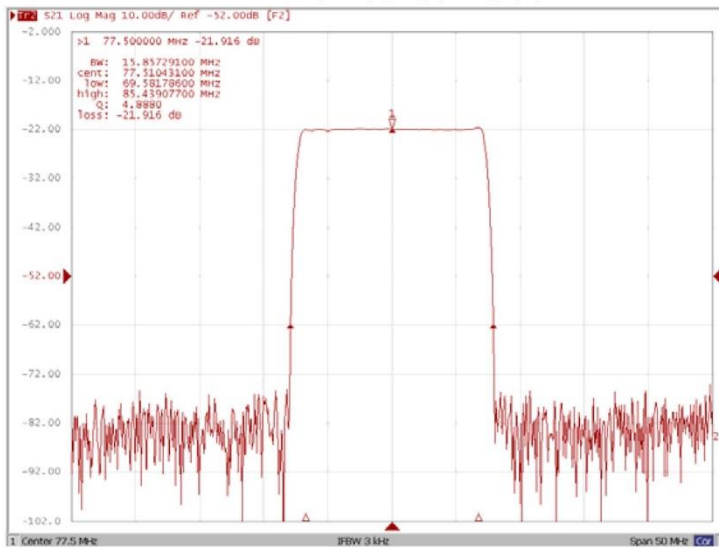
Bandwidth at -1.0 dB



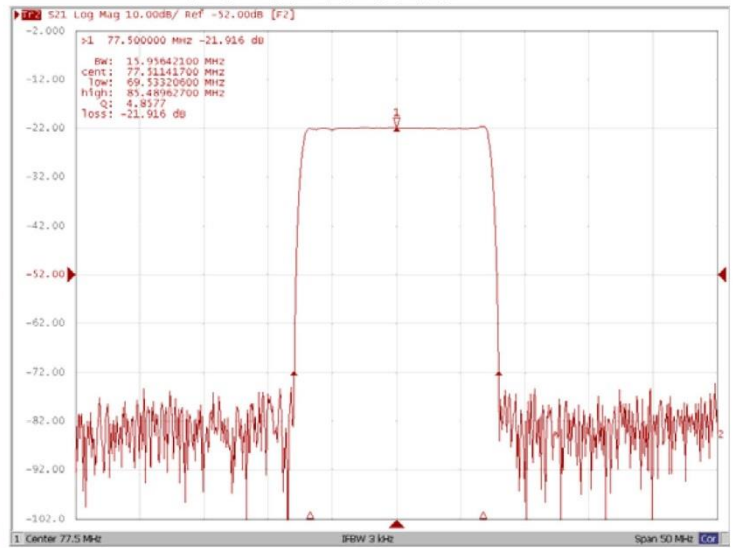
Bandwidth at -3.0 dB



Bandwidth at -40.0 dB



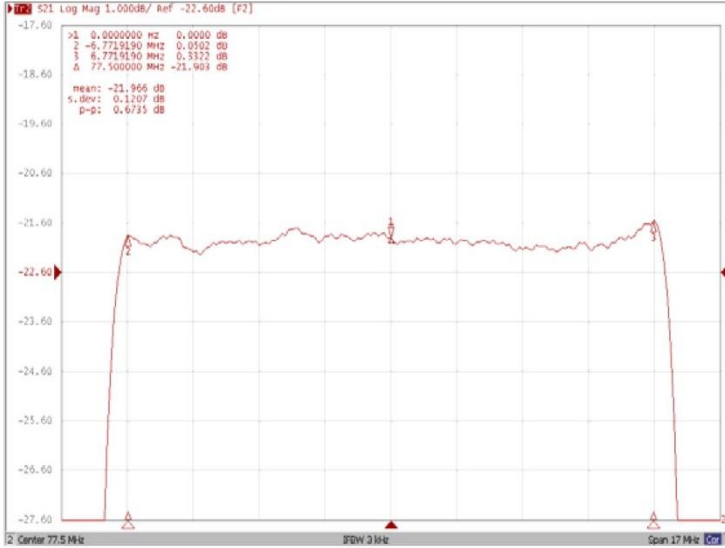
Bandwidth at -50.0 dB



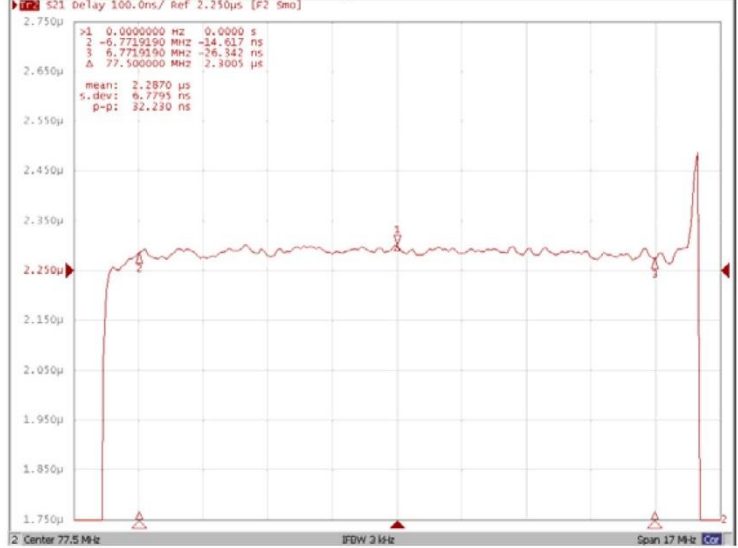


Frequency Response:

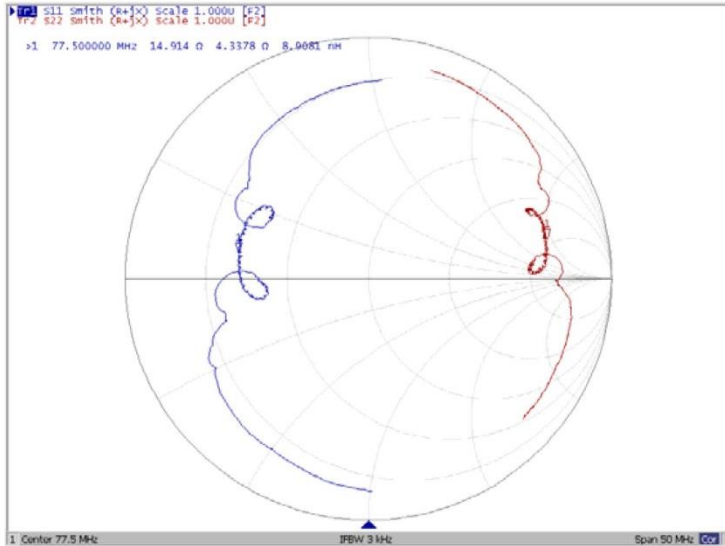
Ripple Variation



Group Delay Variation



Smith Chart



VSWR

