



75 MHz IF Saw Filter

Part Number: AM75S665

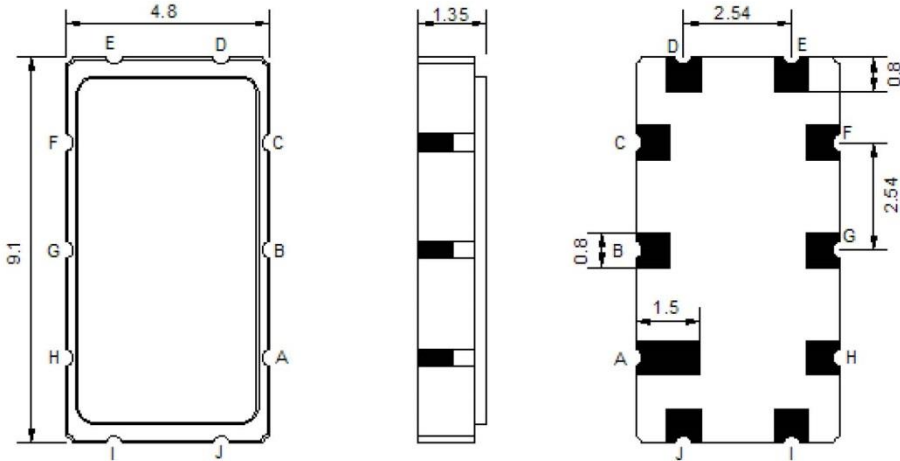


Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	75.0	-
Insertion Loss at Fo	dB	-	14.0	16.0
Amplitude Ripple within Fo ± 9.22 MHz	dBp-p	-	0.4	0.8
Group Delay Variation within Fo ± 9.22 MHz	nsec	-	20	35
Absolute Delay at Fo	usec	-	0.9	-
Temperature Coefficient	ppm/°C	-	-86	-
Bandwidth at -1.0 dB	MHz	20.80	21.25	-
Bandwidth at -3.0 dB	MHz	-	22.10	-
Bandwidth at -20.0 dB	MHz	-	24.50	-
Bandwidth at -40.0 dB	MHz	-	25.70	26.50
Relative Attenuation:				
Lower Sidelobe	dB	-	43	-
Upper Sidelobe	dB	-	43	-

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-	+25	-
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	9.1 x 4.8 x 1.5 mm T			

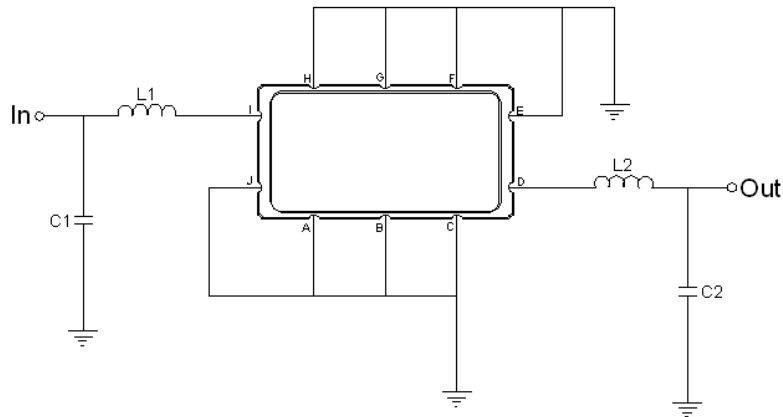


Outline Drawing:



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

Testing Environment:

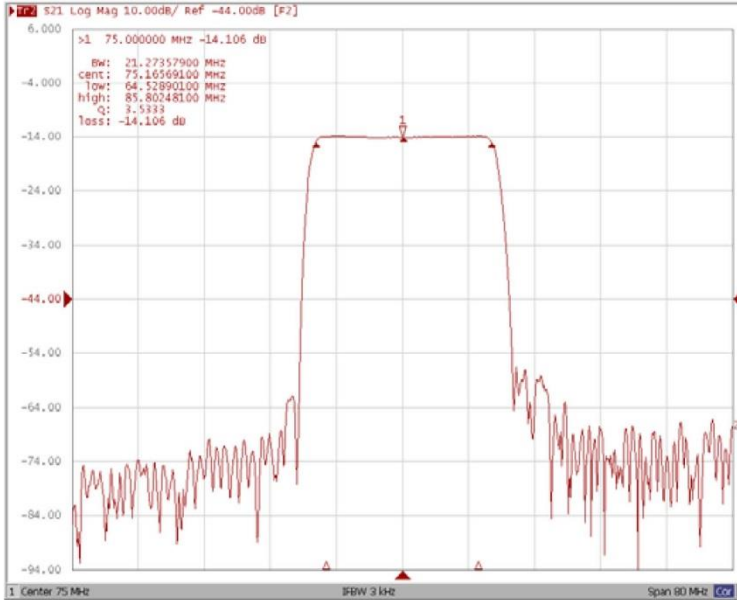


Test Fixture & Values	
Input	L1 = 120 nH C1 = 30 pF
Output	L2 = 150 nH C2 = 30 pF
Source/Load Impedance	50 Ω

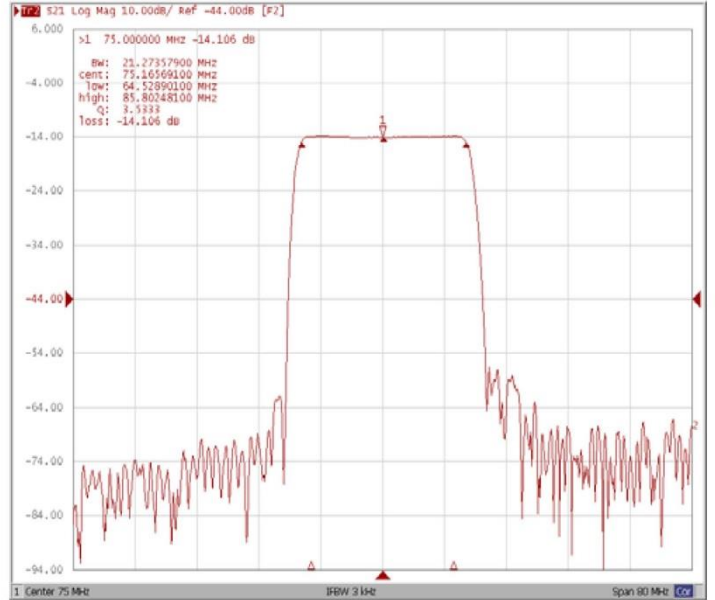


Frequency Response:

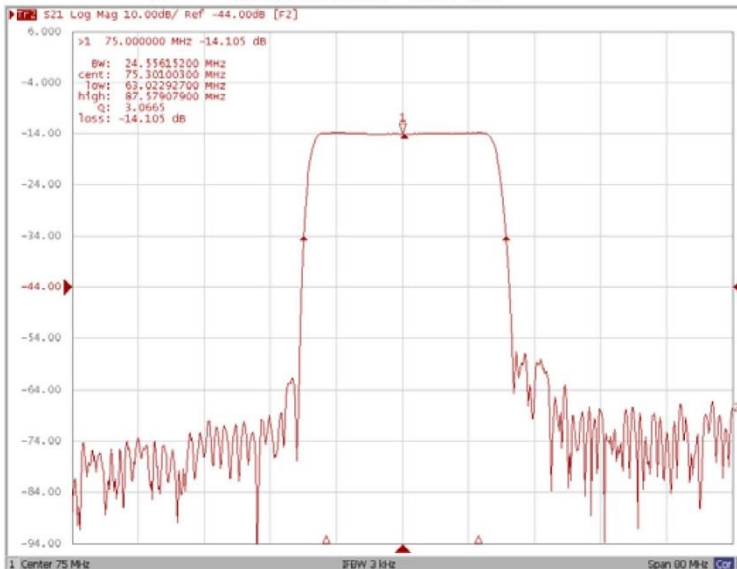
Bandwidth at -1.0 dB



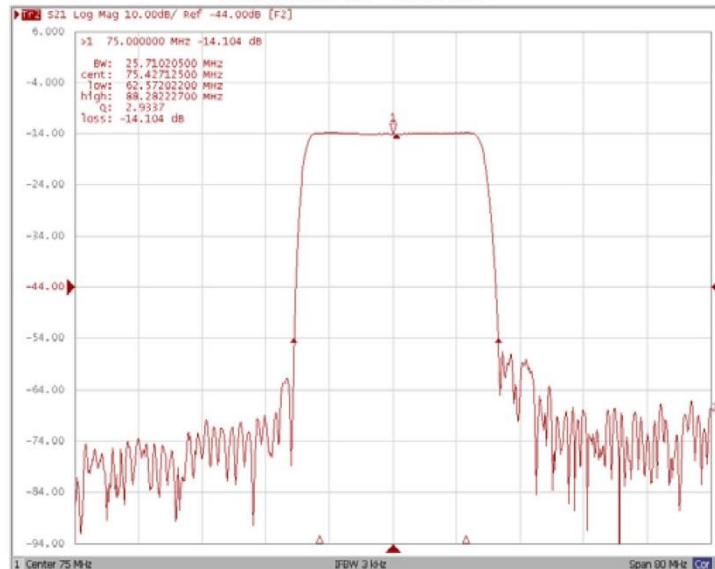
Bandwidth at -3.0 dB



B andwidth at -20.0 dB



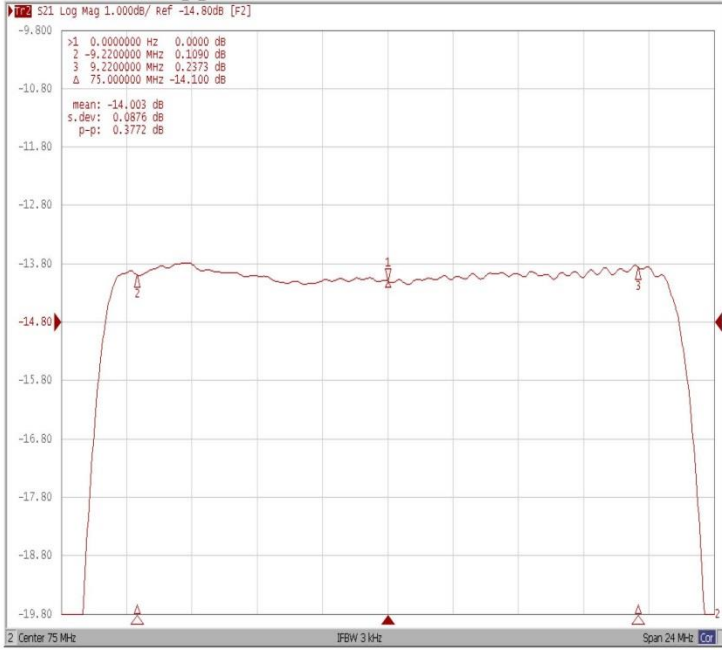
B andwidth at -40.0 dB



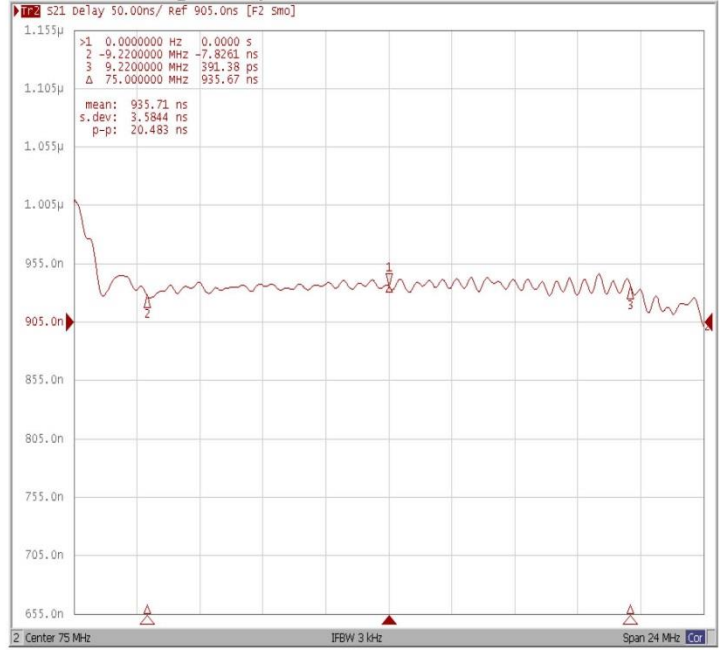


Frequency Response:

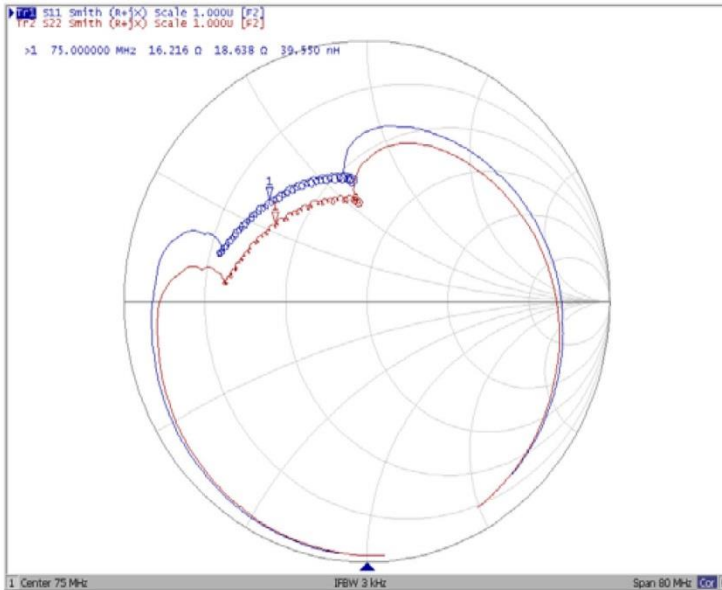
Ripple Variation Fo±9.22MHz



Group Delay Variation Fo±9.22MHz



Smith Chart



SWR

