



75 MHz IF Saw Filter

Part Number: AM75S672

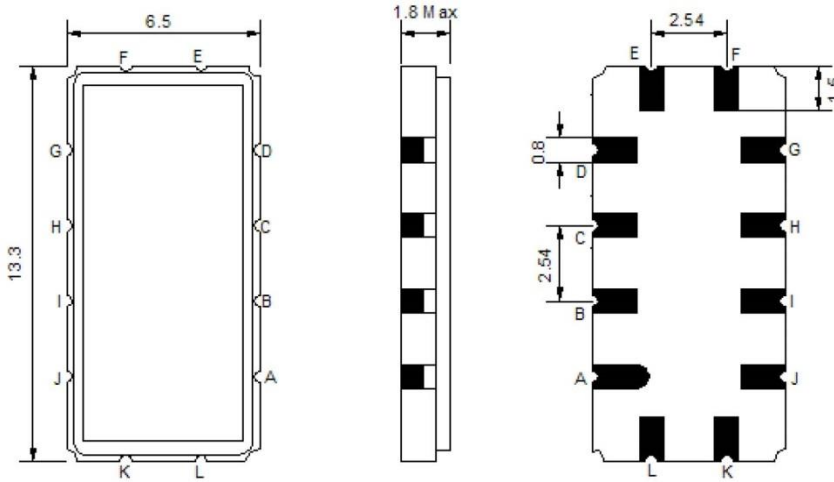


Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	74.85	75.0	75.15
Insertion Loss at Fo	dB	-	17.0	18.5
Amplitude Ripple Variation within Fo ± 13.5 MHz	dBp-p	-	0.35	0.8
Group Delay Variation within Fo ± 13.5 MHz	nsec	-	20	50
Absolute Delay at Fo	usec	-	0.84	-
Temperature Coefficient	ppm/°C	-	-86	-
Bandwidth at -1.0 dB	MHz	29.0	29.6	-
Bandwidth at -3.0 dB	MHz	30.0	30.8	-
Bandwidth at -40.0 dB	MHz	-	36.2	37.0
Relative Attenuation:				
Lower Sidelobe	dB	40	48	-
Upper Sidelobe	dB	40	45	-

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-20	-	+70
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	13.3 x 6.5 x 1.8 mm		V	

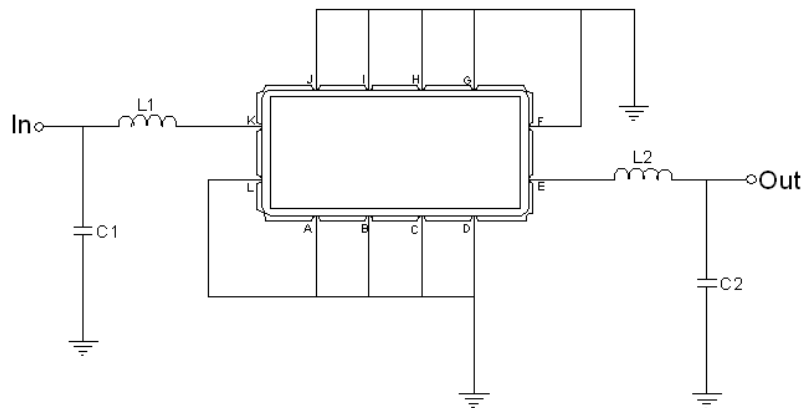


Outline Drawing:



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

Testing Environment:



Test Fixture & Values	
Input	L1 = 120 nH C1 = 15 pF
Output	L2 = 120 nH C2 = 15 pF
Source/Load Impedance	50 Ω

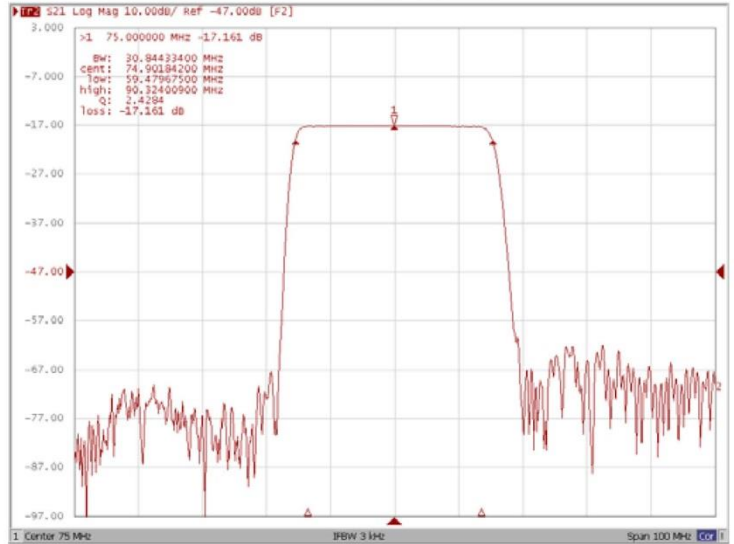


Frequency Response:

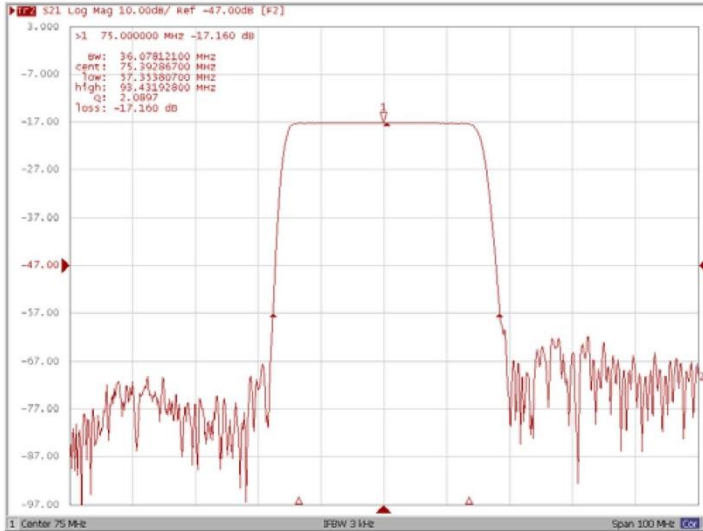
Bandwidth at -1.0 dB



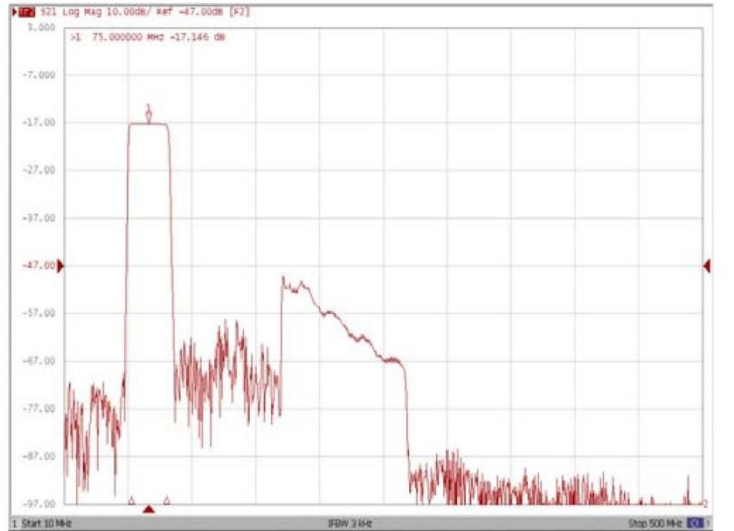
Bandwidth at -3.0 dB



Bandwidth at -40.0 dB



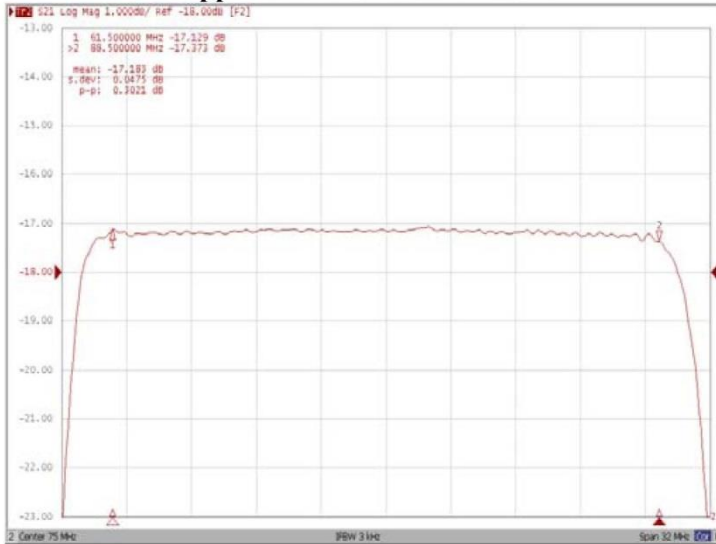
Wi de-Band



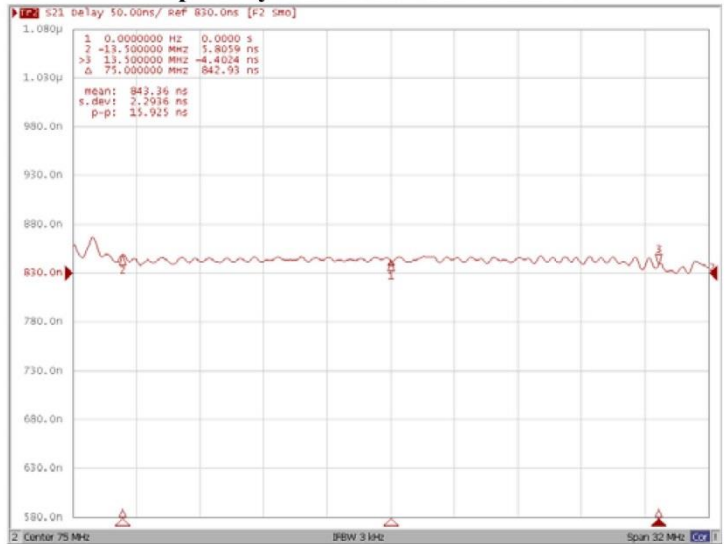


Frequency Response:

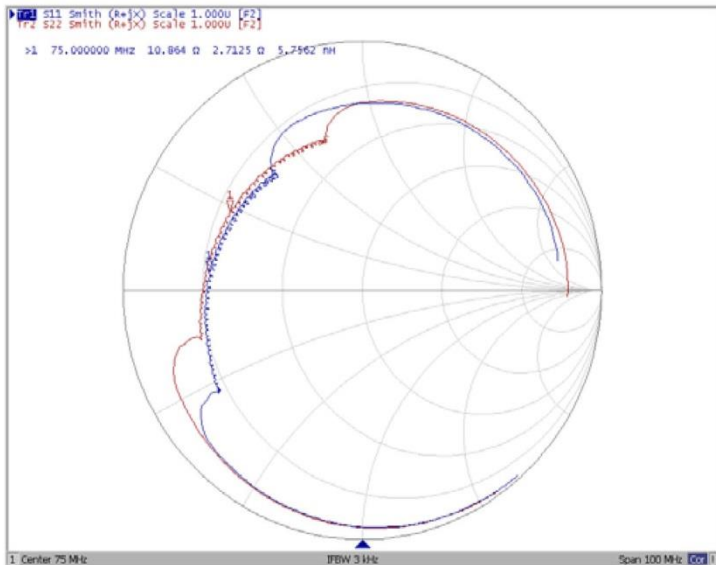
Ripple Variation Fo±13.5MHz



Group Delay Variation Fo±13.5MHz



Smith Chart



SWR

