



75 MHz IF Saw Filter

Part Number: AM75S670

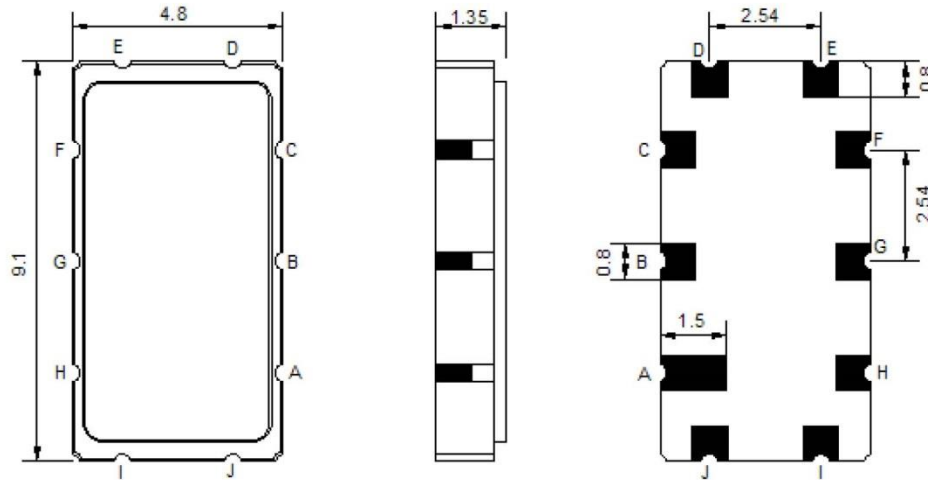


Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	75.1	-
Insertion Loss at Fo	dB	-	18.2	19.0
Amplitude Ripple Variation within Fo \pm 12.5 MHz	dBp-p	-	0.3	0.6
Group Delay Variation within Fo \pm 12.5 MHz	nsec	-	15	35
Absolute Delay at Fo	usec	-	0.83	-
Temperature Coefficient	ppm/ $^{\circ}$ C	-	-86	-
Bandwidth at -1.0 dB	MHz	-	27.50	-
Bandwidth at -3.0 dB	MHz	-	28.40	-
Bandwidth at -30.0 dB	MHz	-	32.40	32.80
Relative Attenuation:				
Lower Sidelobe	dB	30	40	-
Upper Sidelobe	dB	30	40	-

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	$^{\circ}$ C	-	+25	-
Storage Temperature Range	$^{\circ}$ 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	

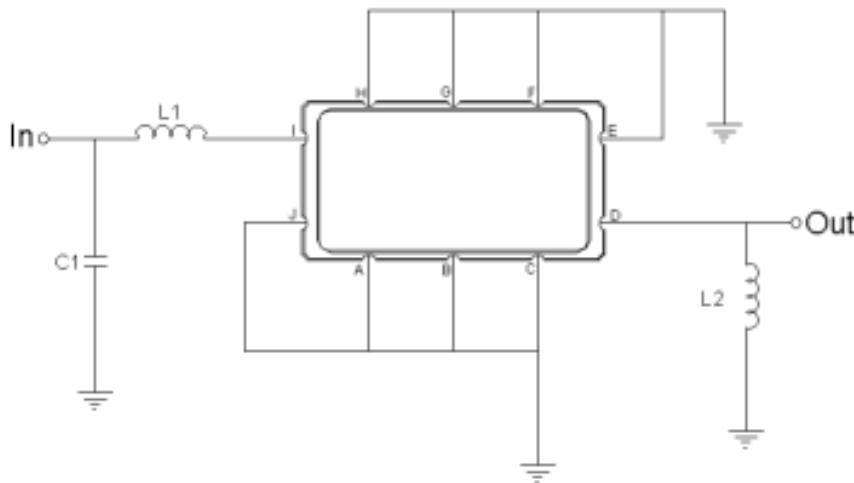


Outline Drawing:



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

Testing Environment:

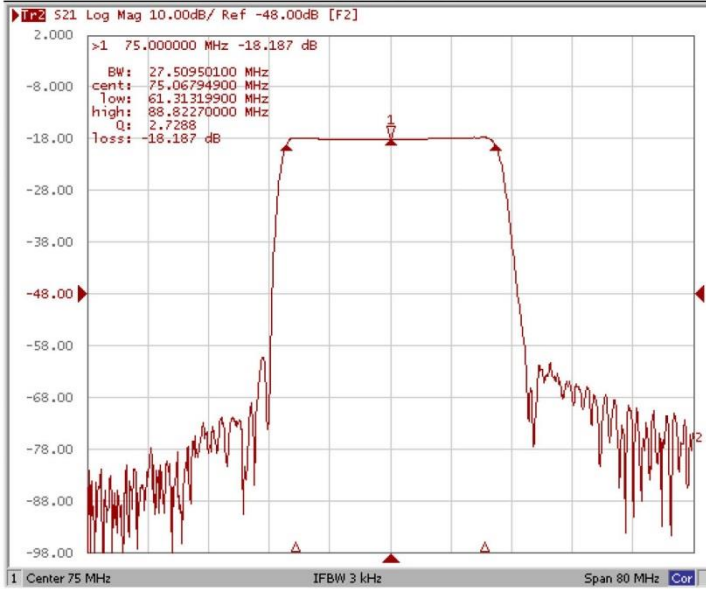


Test Fixture & Values	
Input	L1 = 100 nH C1 = 12 pF
Output	L2 = 120 nH
Source/Load Impedance	50 Ω

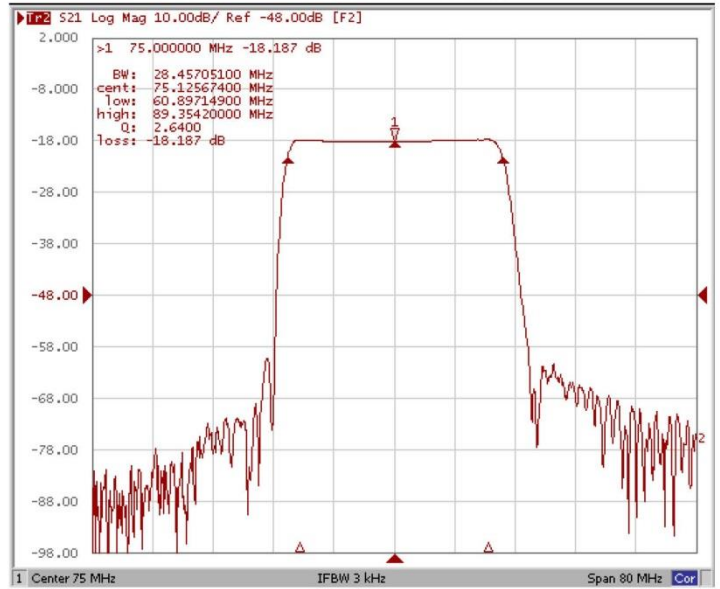


Frequency Response:

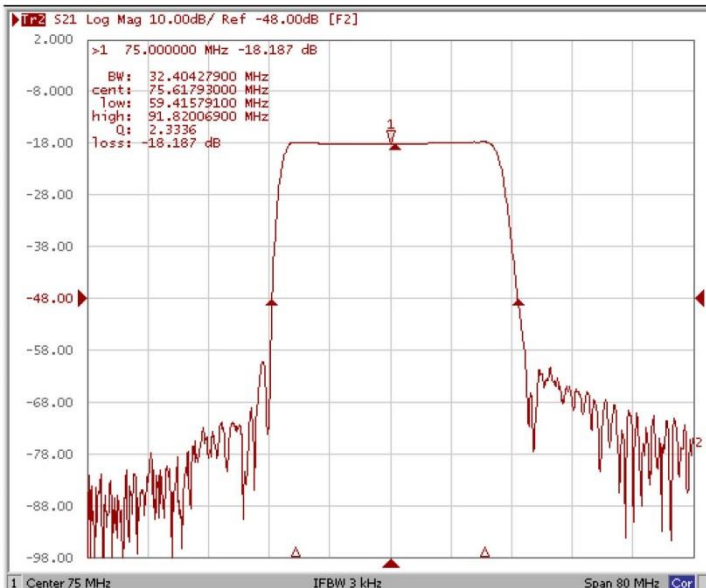
Band width at -1.0 dB



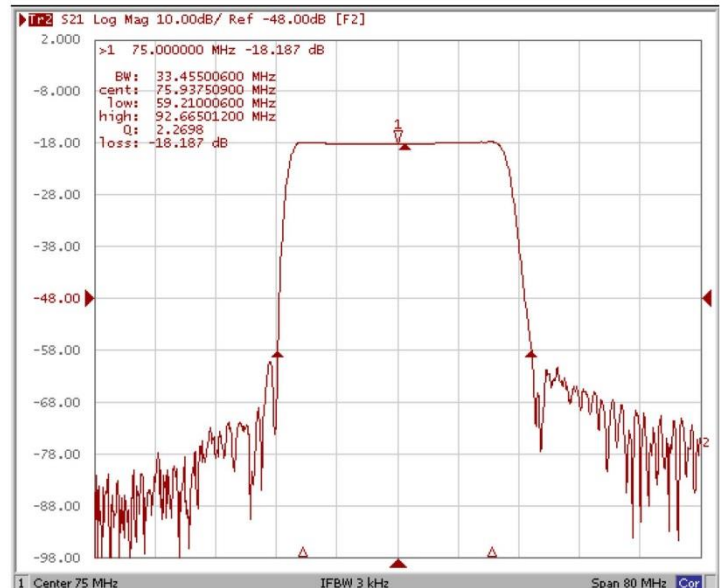
Band width at -3.0 dB



Band width at -30.0 dB



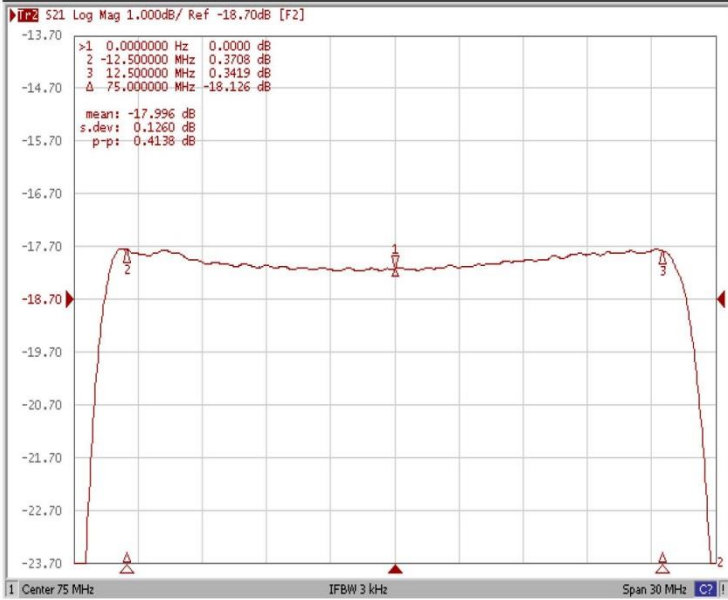
Band width at -40.0 dB



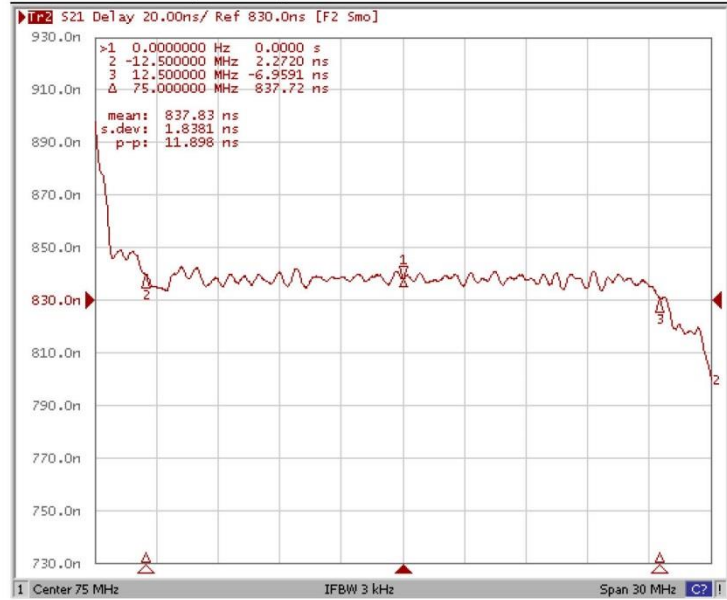


Frequency Response:

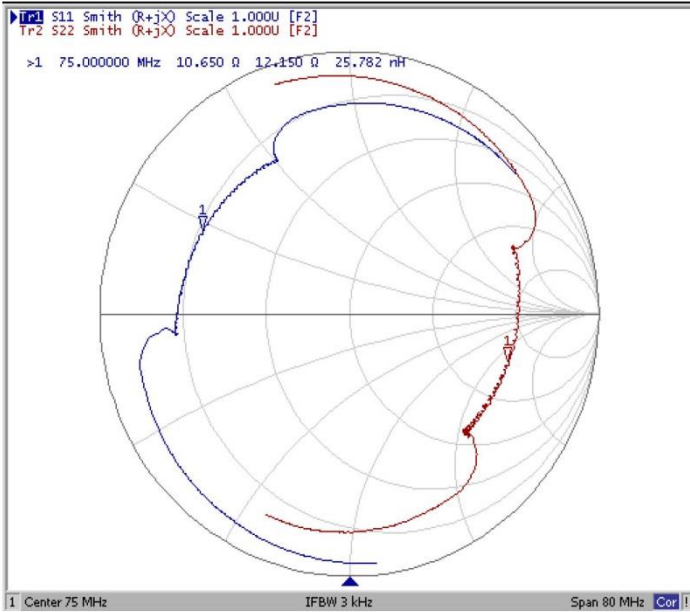
Ripple Variation Fo±12.5MHz



Group Delay Variation Fo±12.5MHz



Smith Chart



SWR

