ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

75 MHz IF Saw Filter 40 MHz Bandwidth

Part Number: AM75S564

ISO 9001 REGISTERED FIRM

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	75.00	-
Insertion Loss at Fo	dB	-	34.00	35.00
Passband Ripple Variation at Fo ± 19.5 MHz	dB	-	0.7	1.0
Group Delay Variation at Fo ± 19.5 MHz	nsec	-	25	70
Absolute Delay at Fo	µsec	-	1.78	-
Temperature Coefficient	ppm/°C	-	-72	-
Bandwidth at -1.0 dB	MHz	-	40.70	-
Bandwidth at -3.0 dB	MHz	41.00	41.20	-
Bandwidth at -20.0 dB	MHz	-	42.70	43.00
Bandwidth at -40.0 dB	MHz	-	43.40	43.60
Ultimate Rejection	dB	-	47	-

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	20.0 x 9.8 x 1.8 mm D1			

70 Outwater Lane **Phone: (973) 772-4242**
Garfield, NJ 07026 **Fax : (973) 772-4646**
Email: sales@anatechelectronics.com
Web: www.anatechelectronics.com

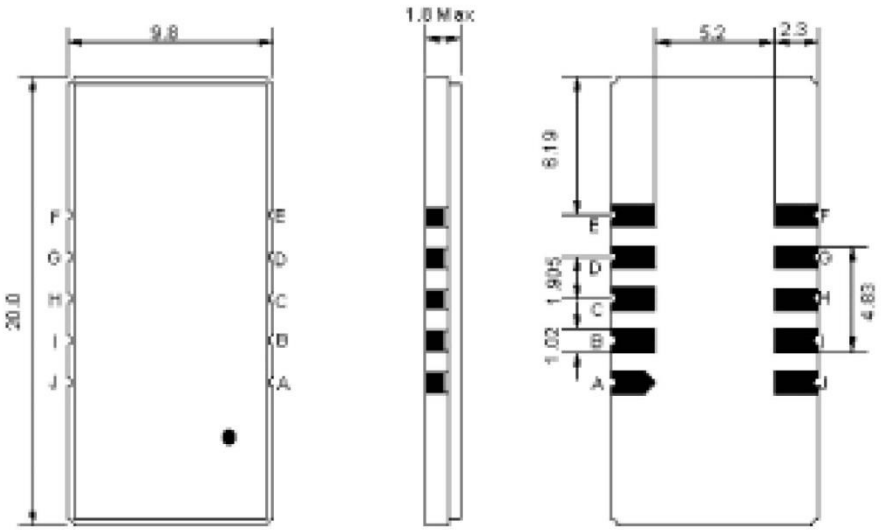
ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

75 MHz IF Saw Filter 40 MHz Bandwidth

Part Number: AM75S564

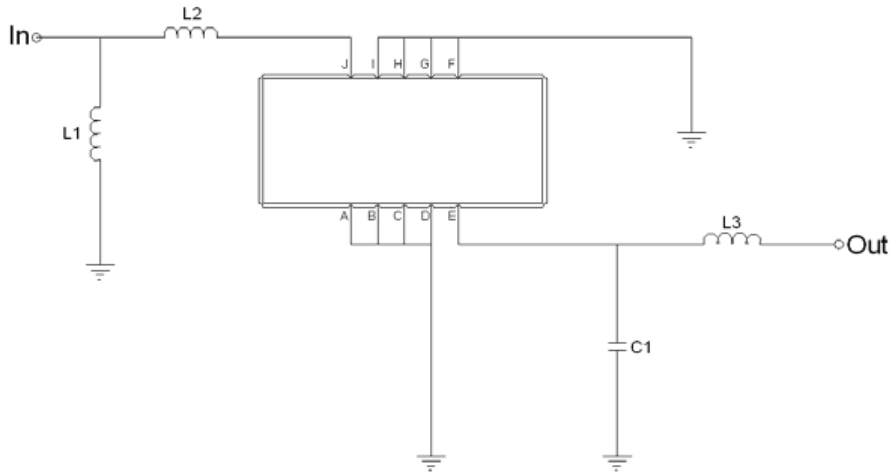
ISO 9001 REGISTERED FIRM

Outline Drawing:



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

Testing Environment:



Test Fixture & Values		
Input	L1 = 180 nH	L2 = 39 nH
Output	L3 = 180 nH	C1 = 6.0 pF
Source/Load Impedance	50 Ω	

70 Outwater Lane
Garfield, NJ 07026
Phone: (973) 772-4242
Fax : (973) 772-4646
Email: sales@anatechelectronics.com
Web: www.anatechelectronics.com

ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

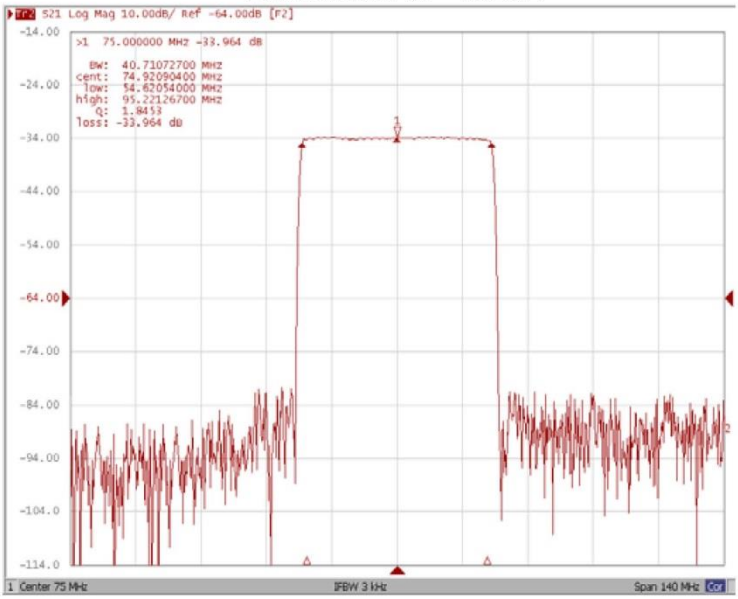
75 MHz IF Saw Filter 40 MHz Bandwidth

Part Number: AM75S564

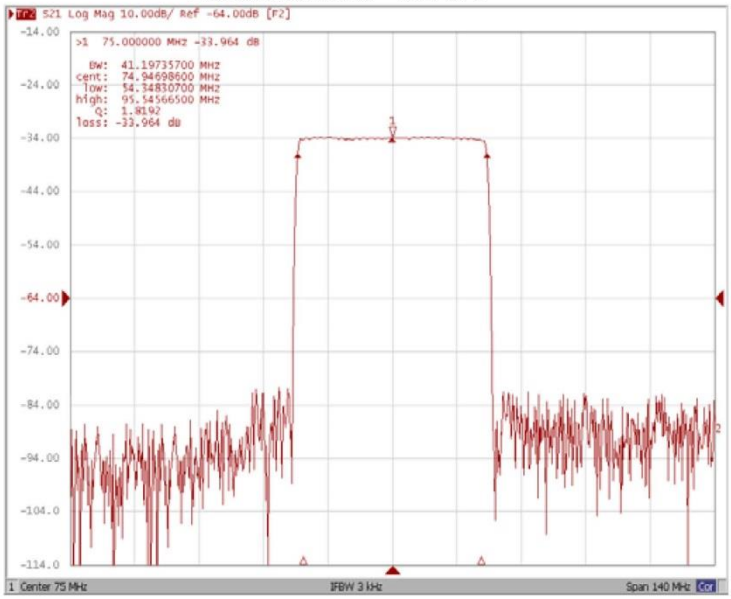
ISO 9001 REGISTERED FIRM

Frequency Response:

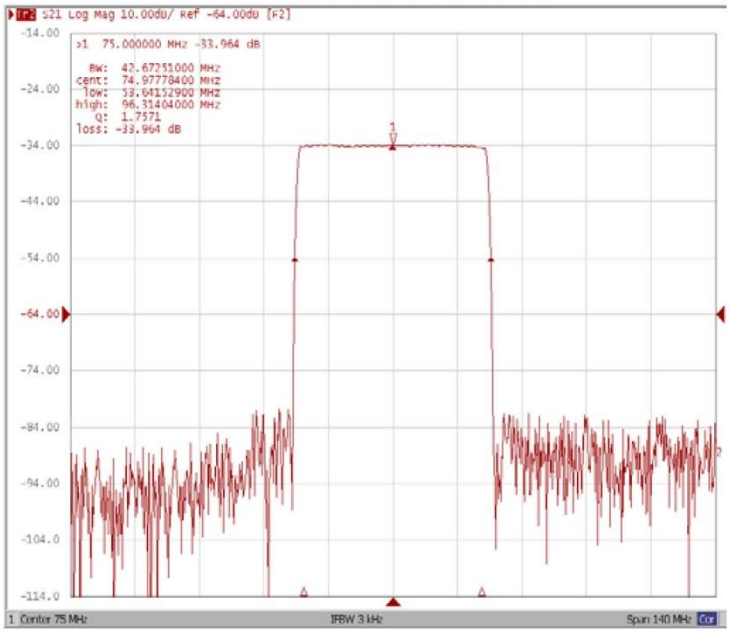
Bandwidth at –1.0 dB



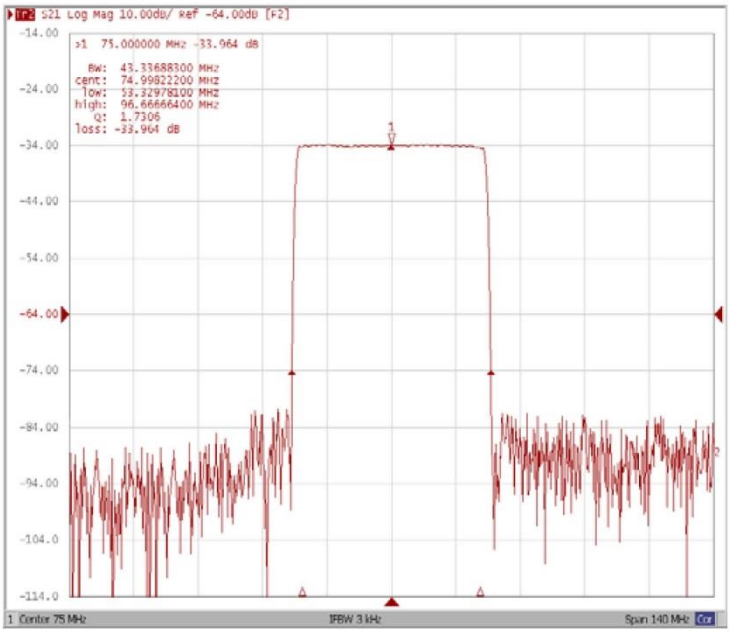
Bandwidth at –3.0 dB



Bandwidth at –20.0 dB



Bandwidth at –40.0 dB



70 Outwater Lane Phone: (973) 772-4242
Garfield, NJ 07026 Fax : (973) 772-4646
Email: sales@anatechelectronics.com
Web: www.anatechelectronics.com

ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

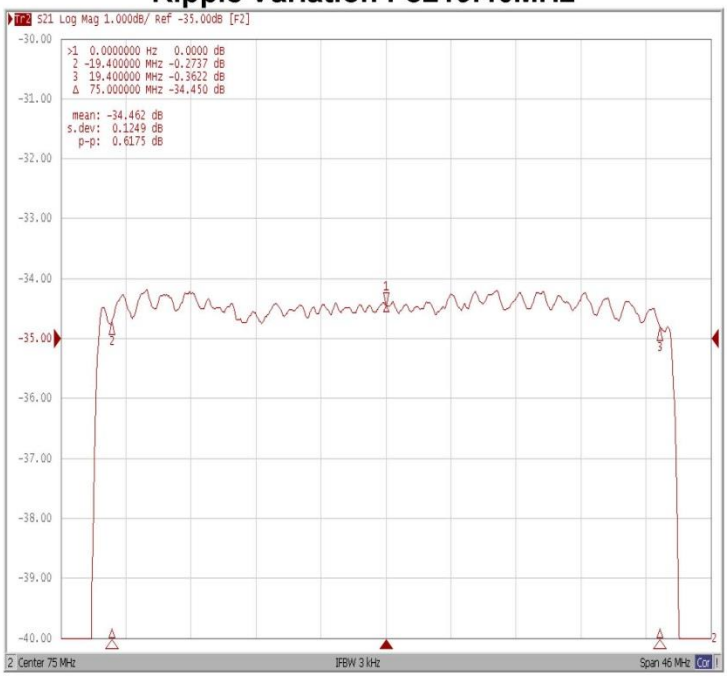
75 MHz IF Saw Filter 40 MHz Bandwidth

Part Number: AM75S564

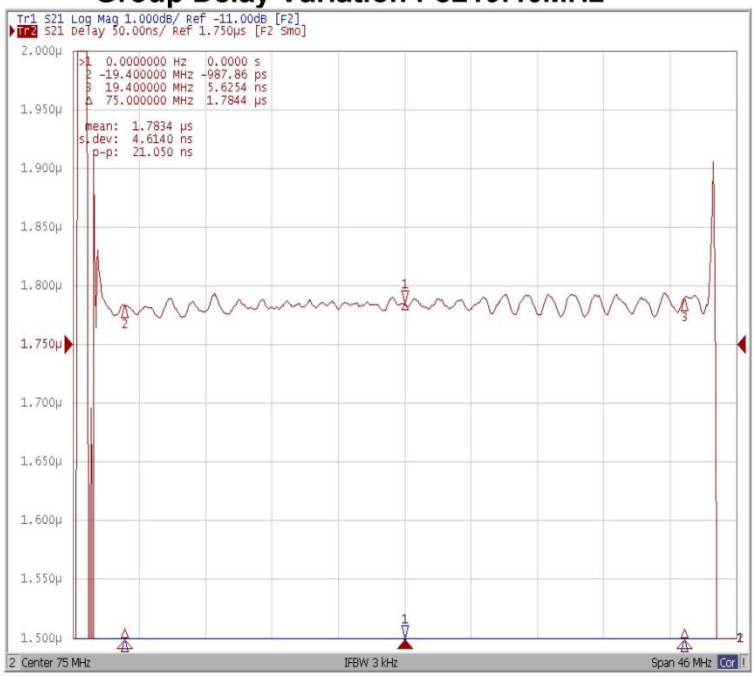
ISO 9001 REGISTERED FIRM

Frequency Response:

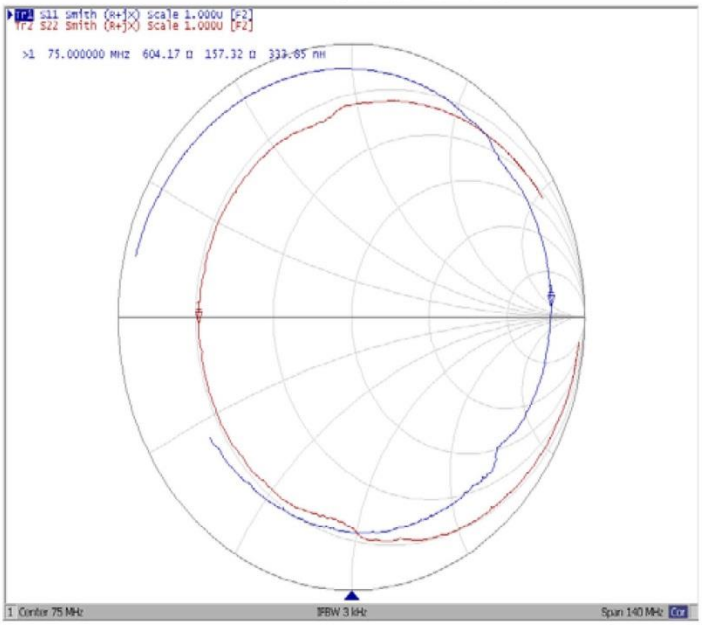
Ripple Variation Fo±19.40MHz



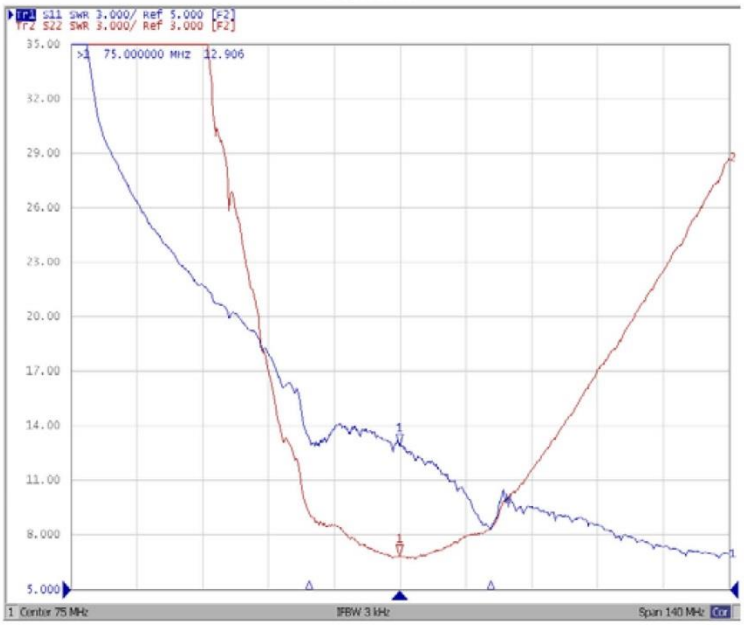
Group Delay Variation Fo±19.40MHz



Smith Chart



VSWR



70 Outwater Lane Phone: (973) 772-4242
Garfield, NJ 07026 Fax : (973) 772-4646
Email: sales@anatechelectronics.com
Web: www.anatechelectronics.com