ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

184 MHz IF Saw Filter 15 MHz Bandwidth

Part Number: AM184S629

ISO 9001 REGISTERED FIRM

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	184.00	-
Insertion Loss at Fo	dB	-	28.50	30.0
Group Delay Variation within Fo ± 7.5 MHz	nsec	-	40	80
Passband Ripple within Fo ± 7.5 MHz	dB	-	0.65	1.00
Absolute Delay at Fo	µsec	-	2.00	-
Bandwidth at -1.0 dB	MHz	15.20	15.45	-
Bandwidth at -3.0 dB	MHz	-	15.90	-
Bandwidth at -40.0 dB	MHz	-	17.60	17.90
Ultimate Rejection	dB	45	50	-
Relative Attenuation within Fo ± 9.0 MHz	dB	45	55	-
Temperature Coefficient	ppm/°C	-	-18	-

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	+20	-	+50
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			

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

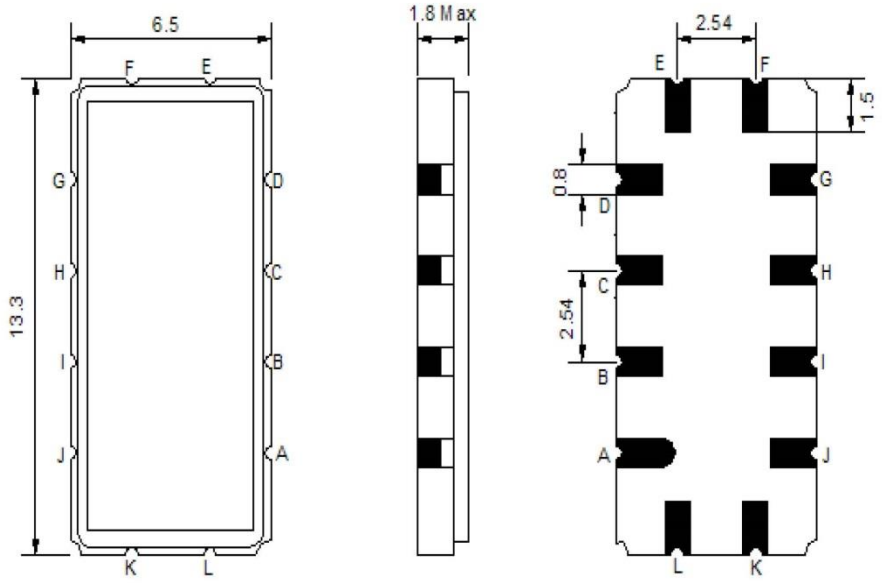
ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

184 MHz IF Saw Filter 15 MHz Bandwidth

Part Number: AM184S629

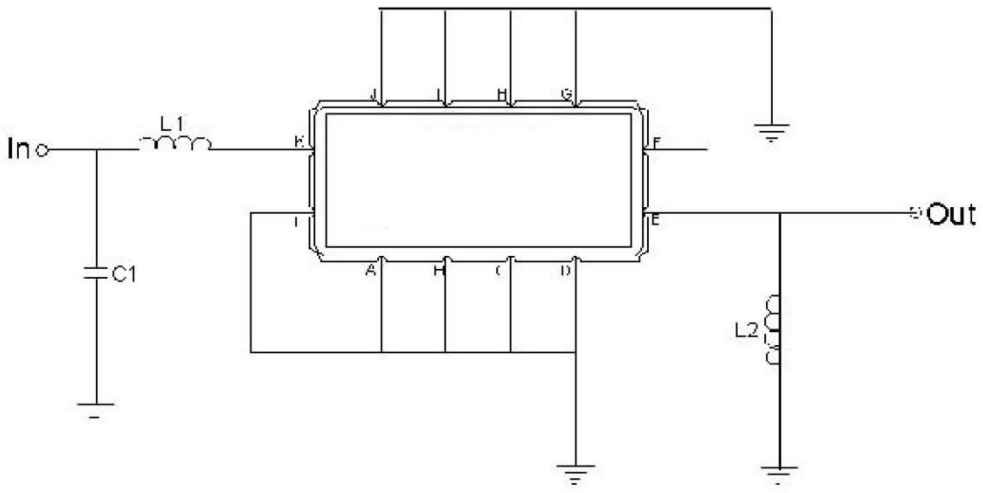
ISO 9001 REGISTERED FIRM

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=39 nH, C1=24 pF
Output	L2=27 nH,
Source/Load Impedance	50 Ω

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

ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

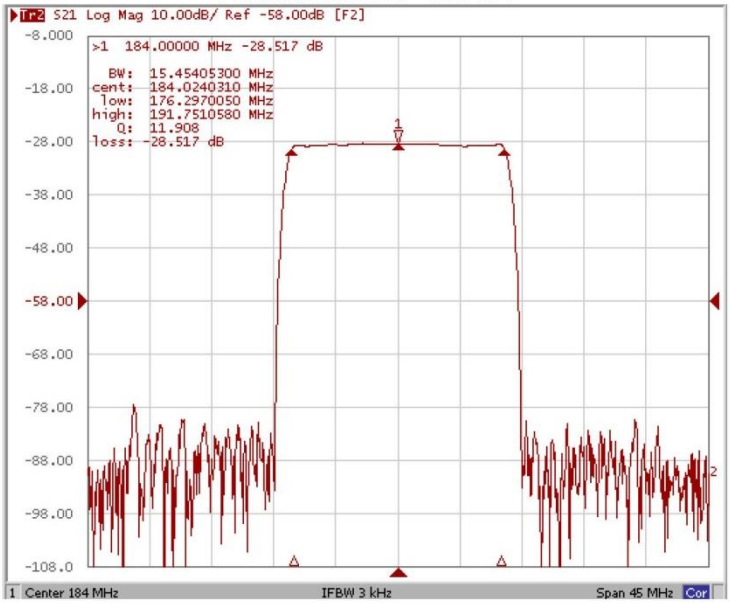
184 MHz IF Saw Filter 15 MHz Bandwidth

Part Number: AM184S629

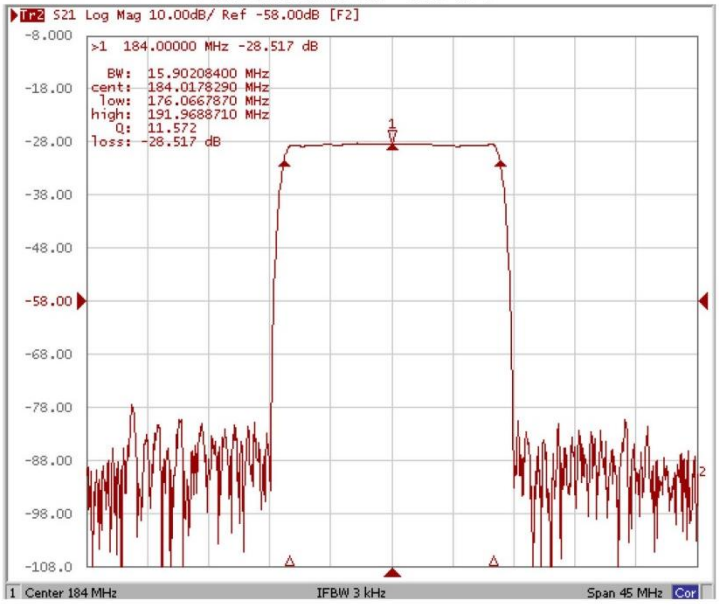
ISO 9001 REGISTERED FIRM

Frequency Response:

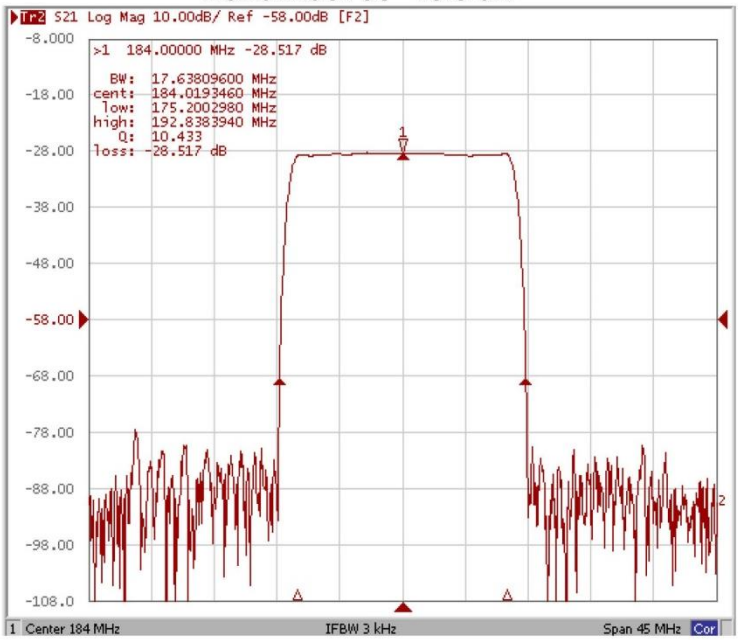
Bandwidth at –1.0 dB



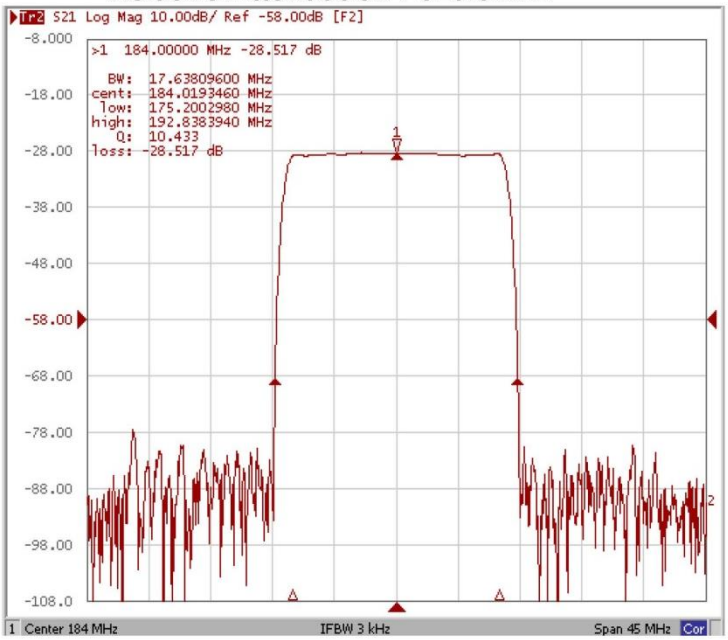
Bandwidth at –3.0 dB



Bandwidth at –40.0 dB



Relative Attenuation Fo±9.0MHz



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

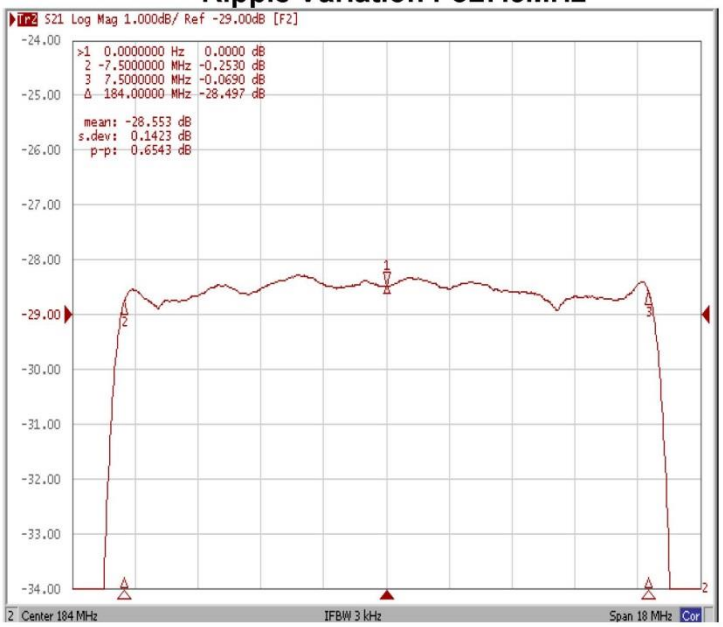
184 MHz IF Saw Filter 15 MHz Bandwidth

Part Number: AM184S629

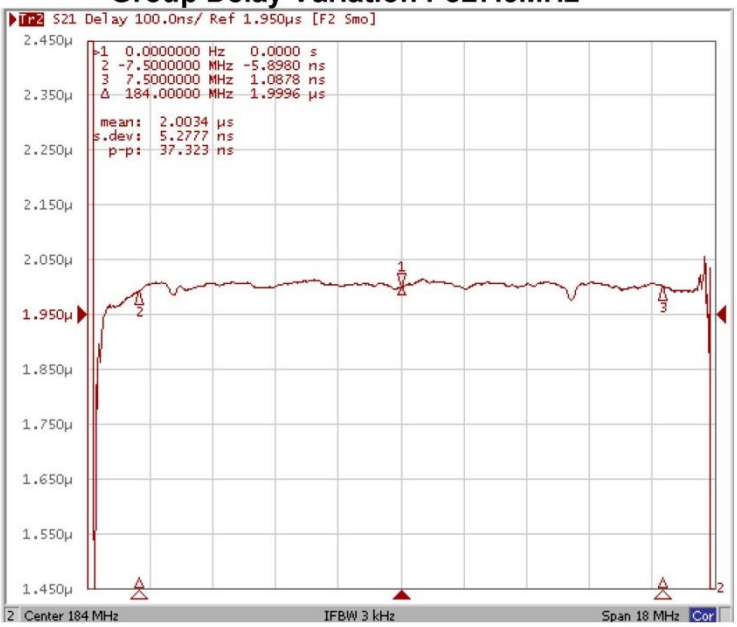
ISO 9001 REGISTERED FIRM

Frequency Response:

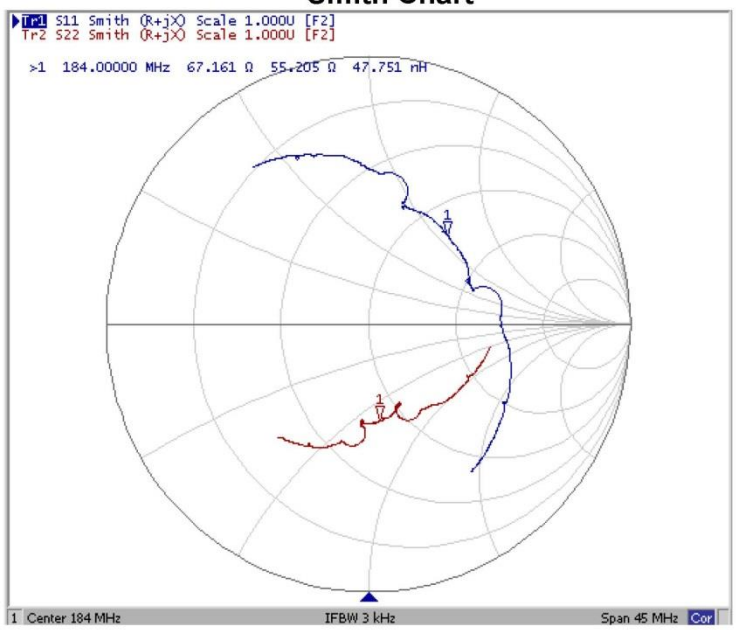
Ripple Variation Fo±7.5MHz



Group Delay Variation Fo±7.5MHz



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