ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

115 MHz IF Saw Filter 5 MHz Bandwidth

Part Number: AM115S586

ISO 9001 REGISTERED FIRM

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	115.0	-
Insertion Loss at Fo	dB	-	22.0	23.5
Passband Ripple Variation at Fo ± 2.4 MHz	dB	-	0.55	1.0
Group Delay Variation at Fo ± 2.4 MHz	nsec	-	120	200
Absolute Delay at Fo	usec	-	1.64	-
Bandwidth at -1.0 dB	MHz	5.00	5.30	-
Bandwidth at -3.0 dB	MHz	-	5.57	-
Bandwidth at -40.0 dB	MHz	-	6.73	7.00
Temperature Coefficient	ppm/°C	-	-20	-
Ultimate Attenuation	dB	45	50	-

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-30	-	+80
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

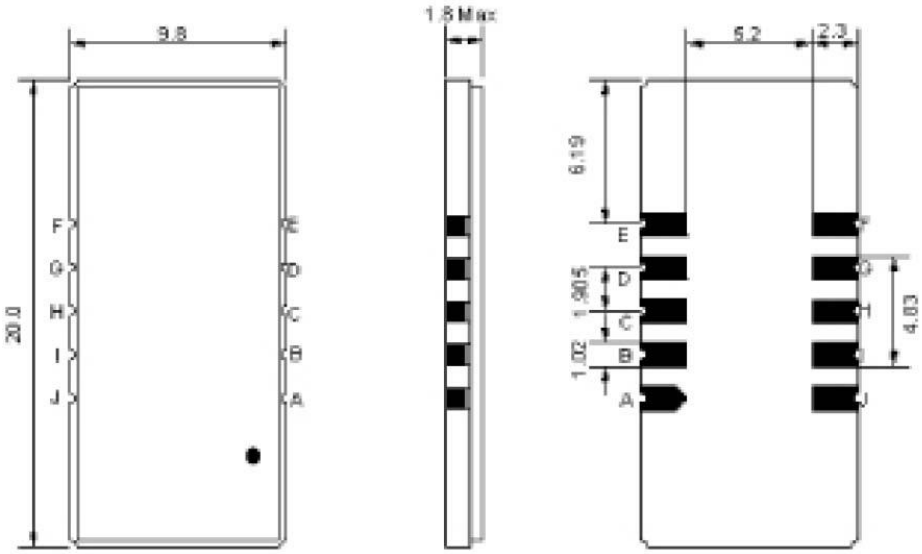
ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

115 MHz IF Saw Filter 5 MHz Bandwidth

Part Number: AM115S586

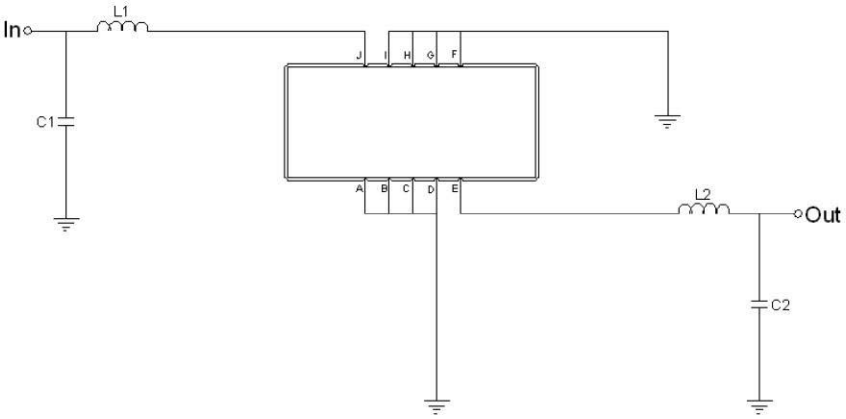
ISO 9001
REGISTERED FIRM

Outline Drawing:



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

Testing Environment:



Test Fixture & Values	
Input	L1 = 27 nH , C1 = 40 pF
Output	L2 = 33 nH , C2 = 120 pF
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

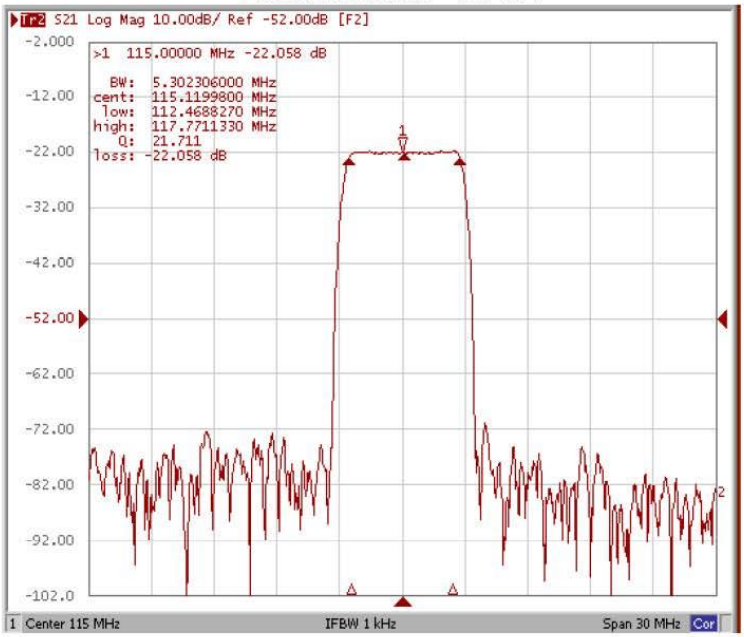
115 MHz IF Saw Filter 5 MHz Bandwidth

Part Number: AM115S586

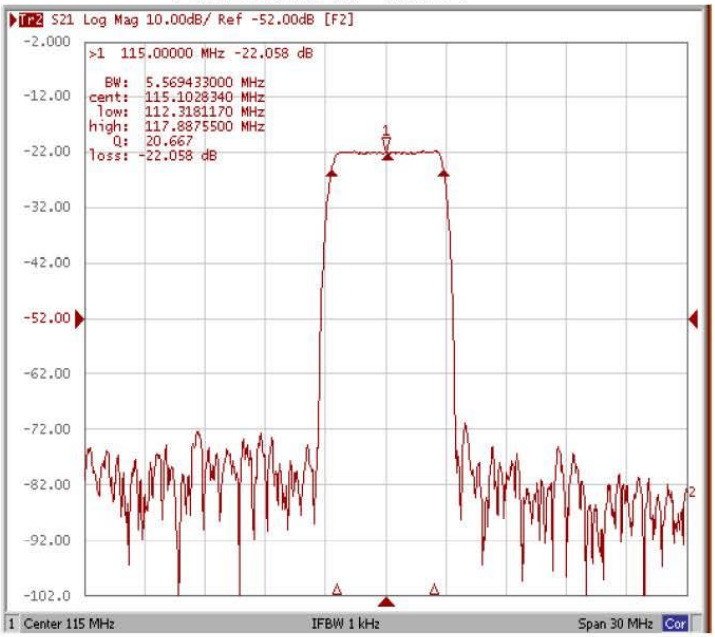
ISO 9001 REGISTERED FIRM

Frequency Response:

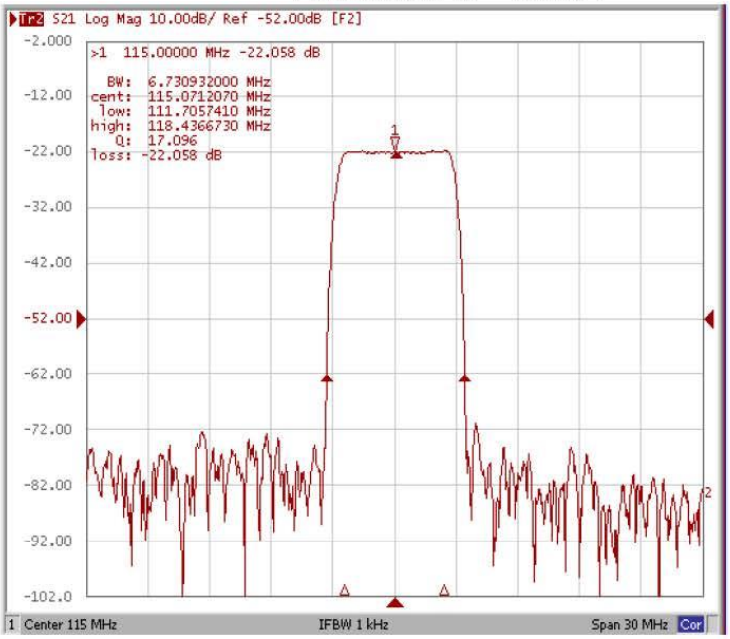
Bandwidth at –1.0 dB



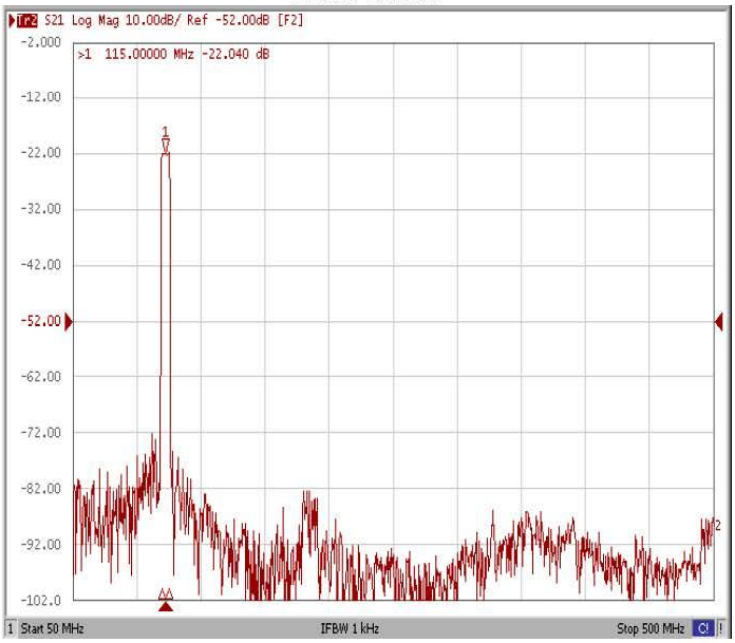
Bandwidth at –3.0 dB



Bandwidth at –40.0 dB



Wide-Band



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

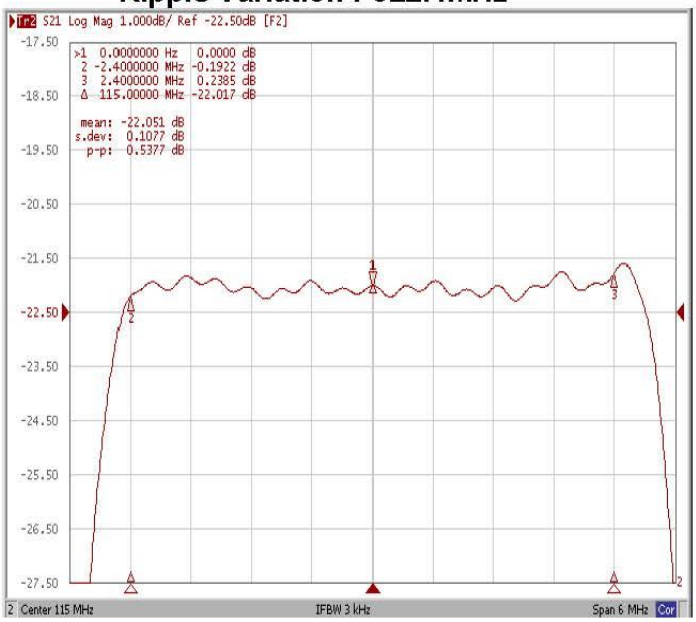
115 MHz IF Saw Filter 5 MHz Bandwidth

Part Number: AM115S586

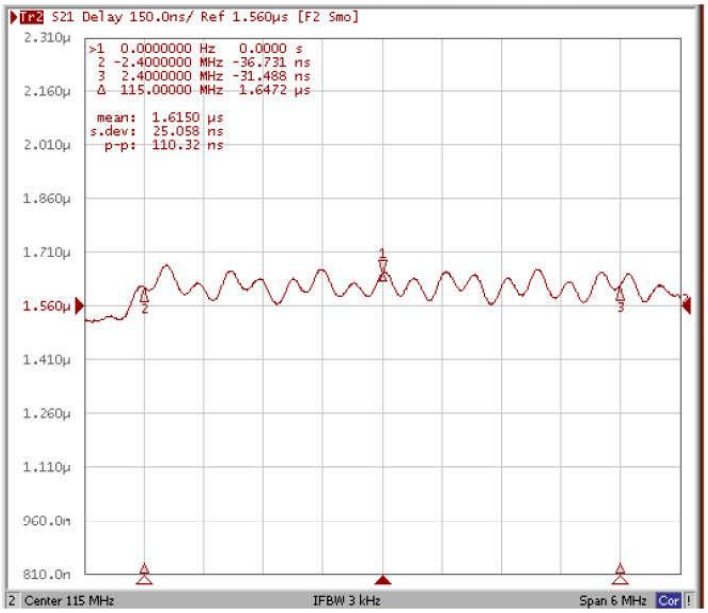
ISO 9001 REGISTERED FIRM

Frequency Response:

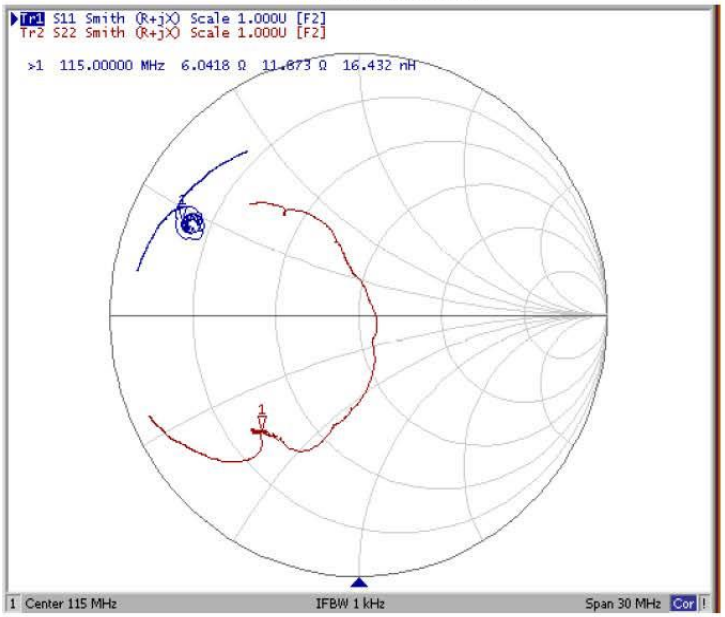
Ripple Variation Fo±2.4MHz



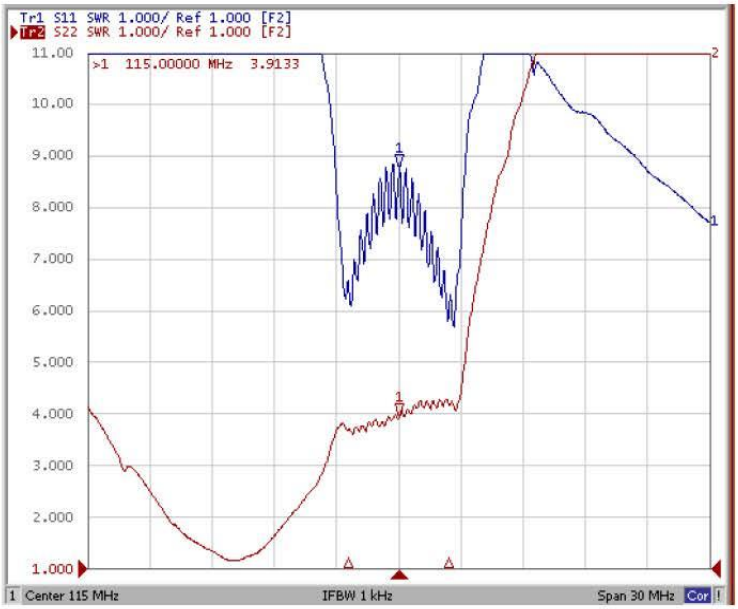
Group Delay Variation Fo±2.4MHz



Smith Chart



SWR



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