



133 MHz IF Saw Filter 26 MHz Bandwidth

Part Number: AM133S605



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	133.50	-
Insertion Loss at Fo	dB	-	22.7	25.0
Passband Ripple at Fo ± 12.5 MHz	dB	-	0.90	1.20
Group Delay Variation at Fo ± 12.5 MHz	nsec	-	40	80
Absolute Delay at Fo	usec	-	1.42	-
Bandwidth at -1.0 dB	MHz	24.96	26.20	-
Bandwidth at -10.0 dB	MHz	-	27.50	27.90
Bandwidth at -20.0 dB	MHz	-	28.10	28.40
Bandwidth at -30.0 dB	MHz	-	28.45	28.70
Bandwidth at -40.0 dB	MHz	-	28.80	-
Ultimate Rejection	dB	45	50	-
Temperature Coefficient	ppm/°C	-	-72	-

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	0	-	+70
Storage Temperature Range	°C	-30	-	+80
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



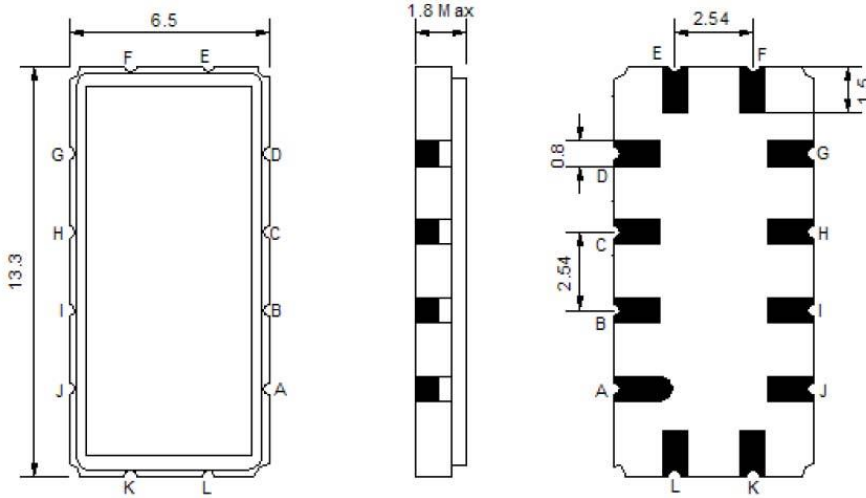
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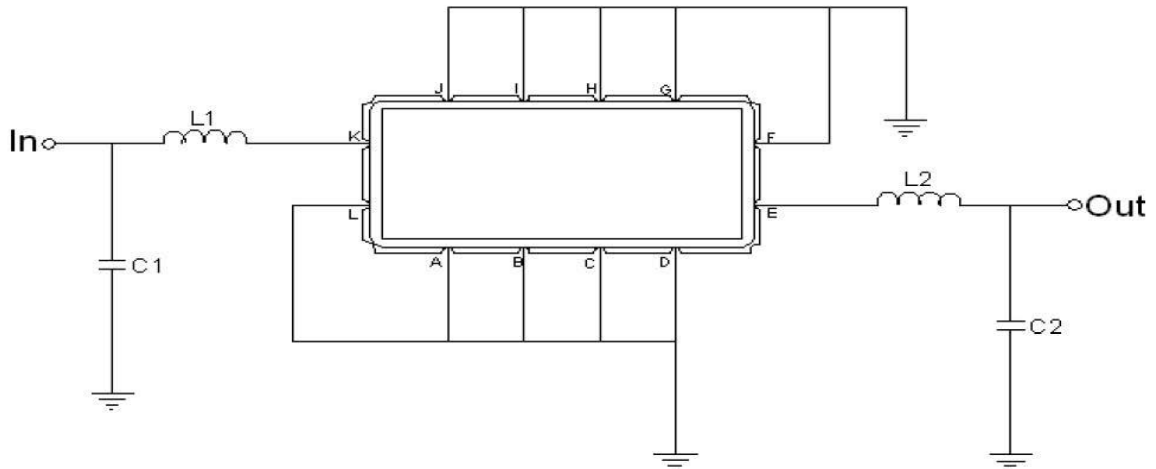
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Outline Drawing:



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=20 pF
Output	L2=100 nH, C2=24 pF
Source/Load Impedance	50 Ω



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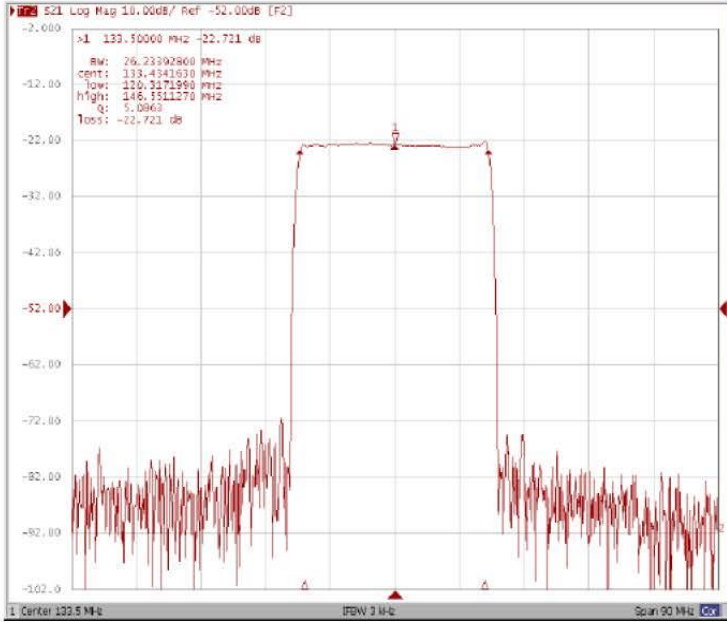
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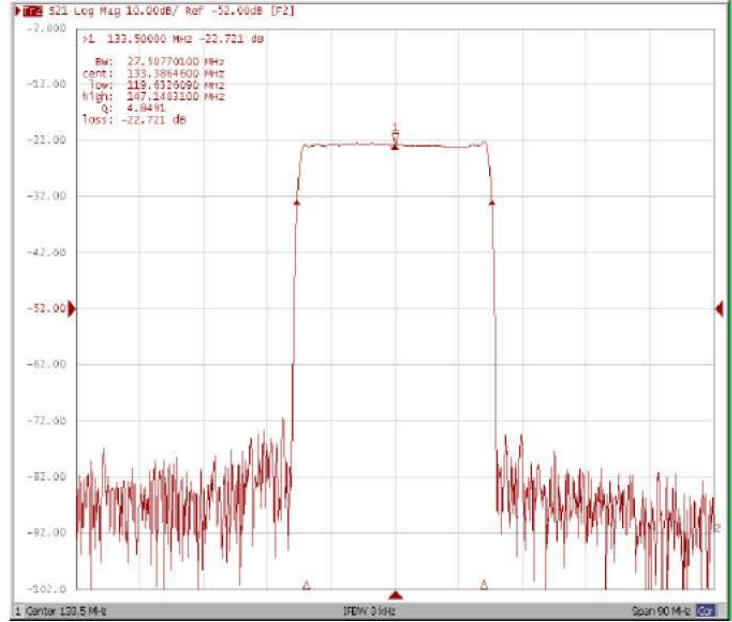
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Frequency Response:

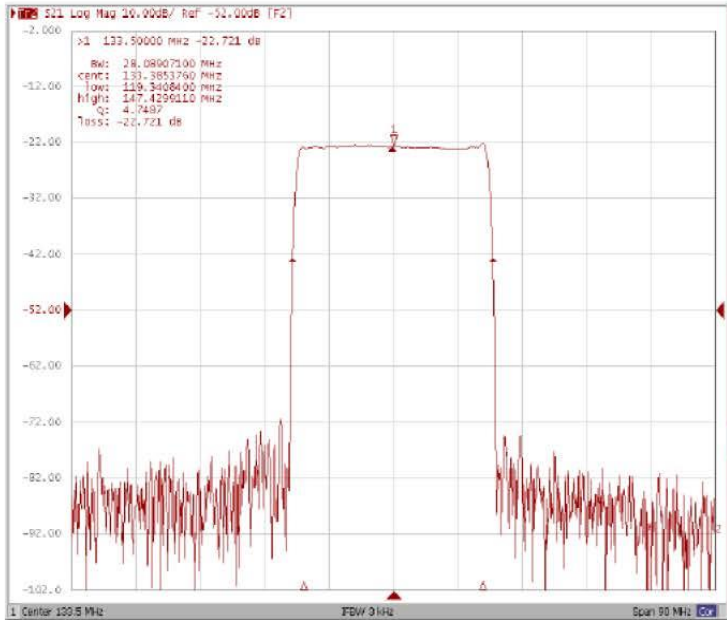
Bandwidth at -1.0 dB



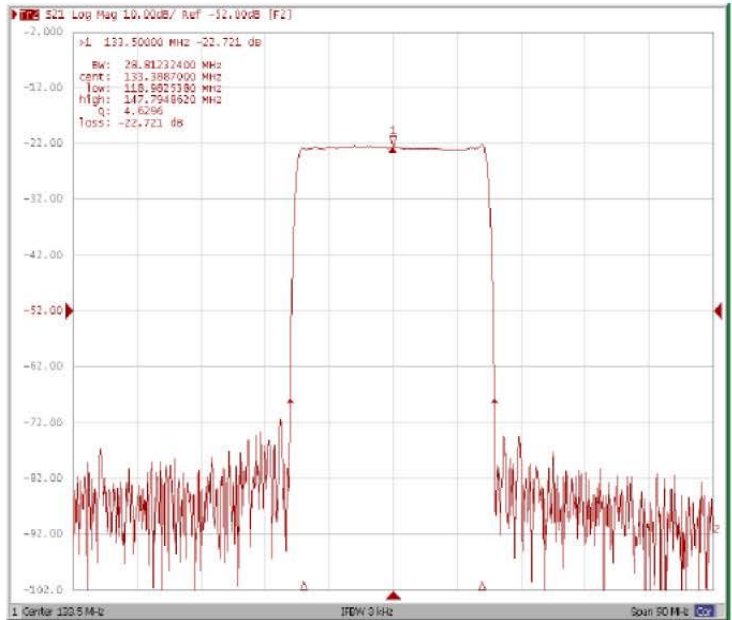
Bandwidth at -10.0 dB



Bandwidth at -20.0 dB



Bandwidth at -45.0 dB





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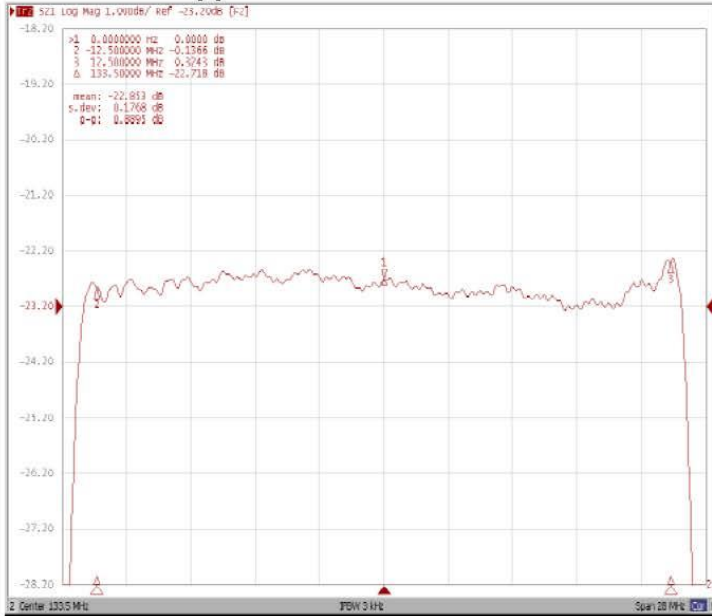
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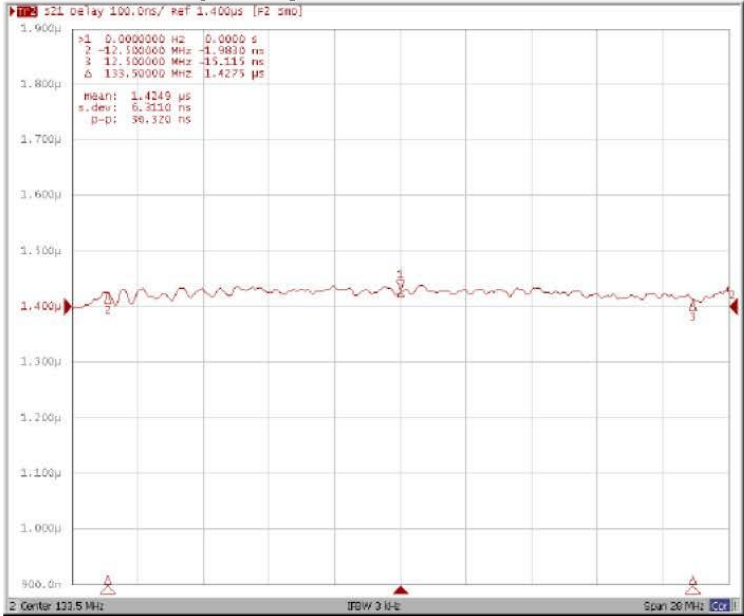
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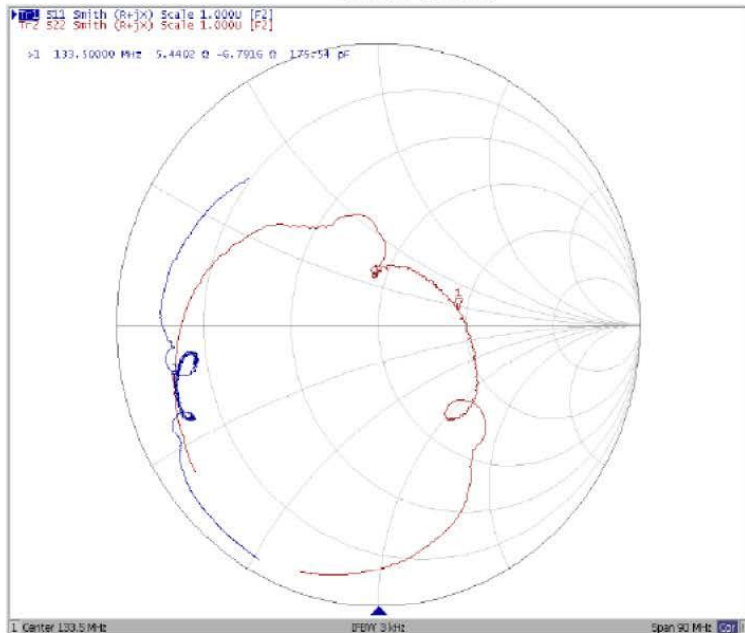
Ripple Variation Fo±12.5MHz



Group Delay Variation Fo±12.5MHz



Smith Chart



VSWR

