



198 MHz IF Saw Filter 5 MHz Bandwidth

Part Number: AM198S630

ANATECH ELECTRONICS INC
RF & Microwave Filters & Products



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



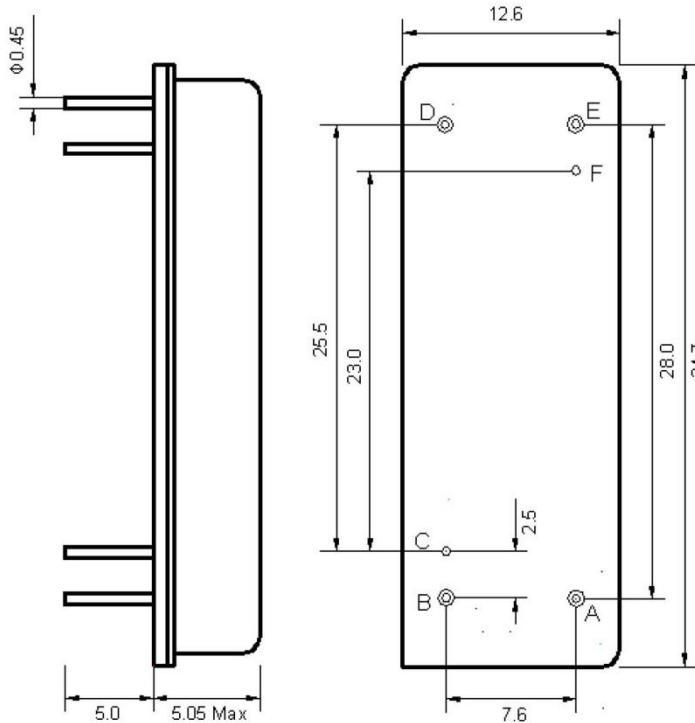
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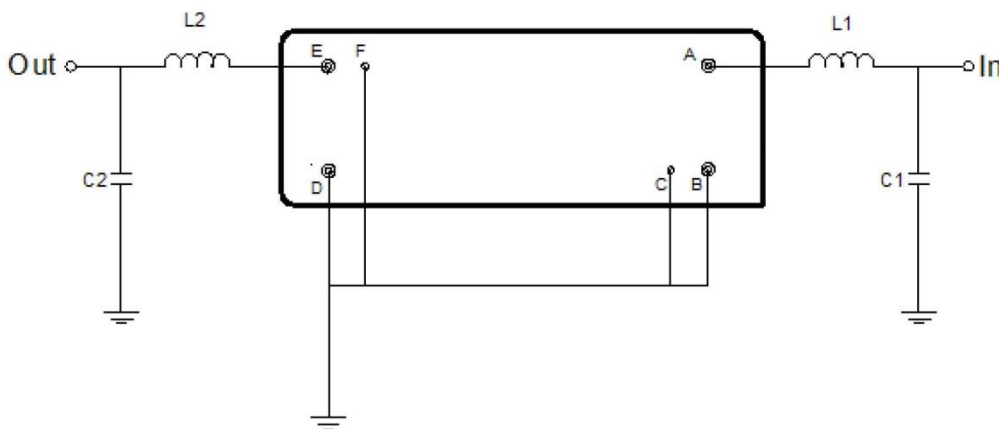
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Outline Drawing:



Pin Description	
Ground	B C D F
Input	A
Output	E

Testing Environment:



Test Fixture & Values	
Input	L1=27nH, C1=27pF
Output	L2=22nH, C2=43pF
Source/Load Impedance	50 Ω



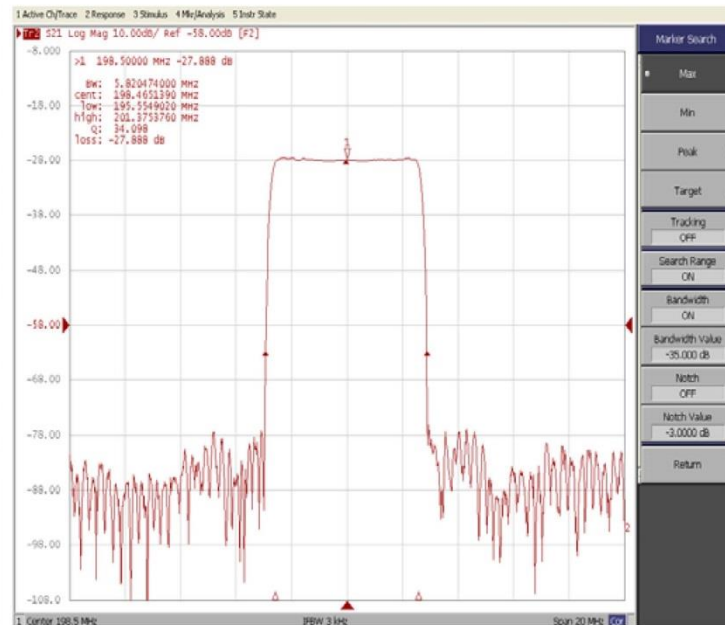
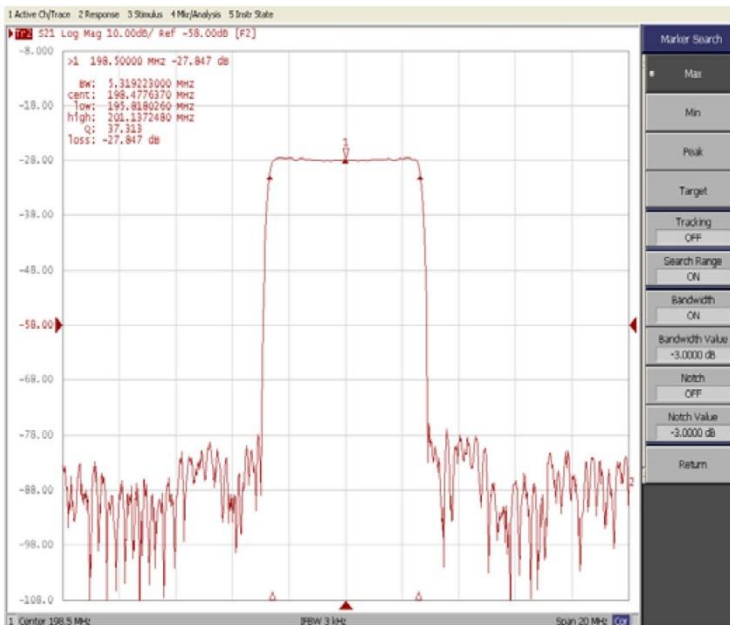
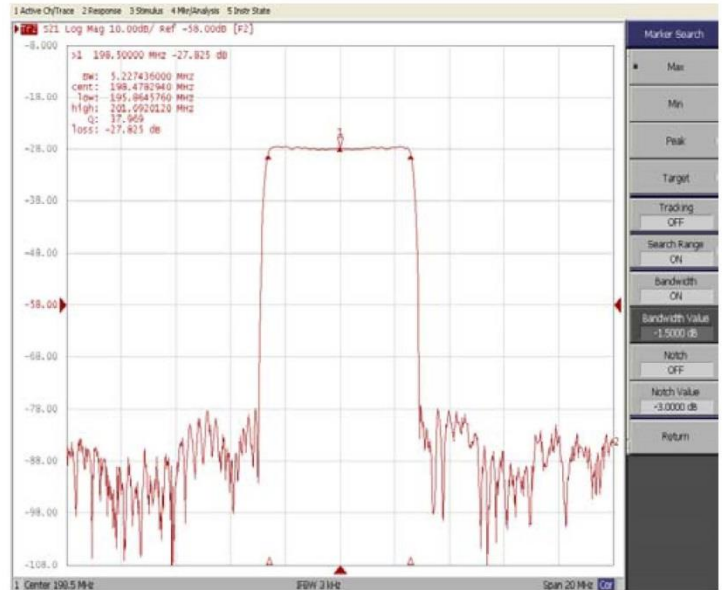
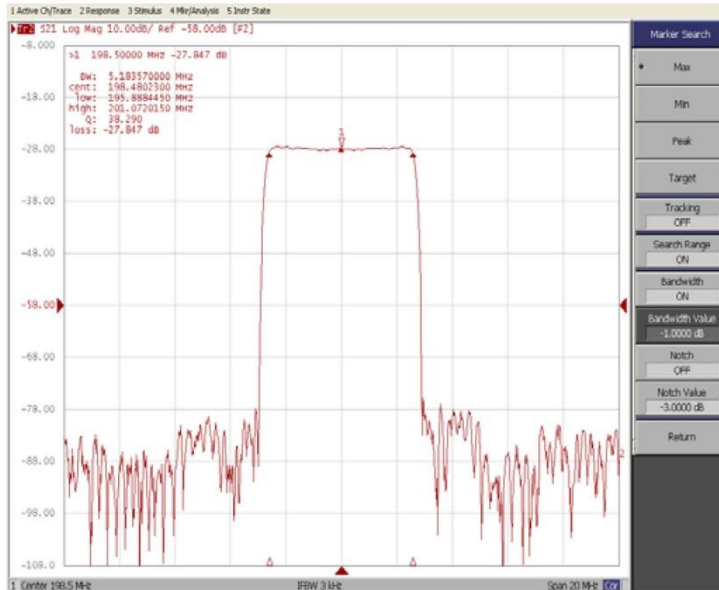
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Frequency Response:





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