



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

1950 MHz WCDMA RF-Tx Saw Filter

Part Number: AM1950S393



Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	1950	-
Insertion Loss within 1920 ~ 1980 MHz	dB	-	2.8	4.0
Amplitude Ripple within 1920 ~ 1980 MHz	dB _{p-p}	-	1.4	2.4
VSWR within 1920 ~ 1980 MHz	-	-	1.9	2.4
Attenuation:				
DC ~ 1840.0 MHz	dB	20	31	-
1840.0 ~ 1900.0 MHz	dB	10	17	-
2000.0 ~ 2030.0 MHz	dB	4.5	9	-
2030.0 ~ 2060.0 MHz	dB	20	50	-
2060.0 ~ 5000.0 MHz	dB	22	26	-

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	7.5
Maximum Input Power	dBm	-	-	15
Source Impedance (Single Ended) ₁	Ω	-	50	-
Load Impedance (Single Ended) ₁	Ω	-	50	-
Package Size and Type	3.0 x 3.0 x 1.3 mm M			



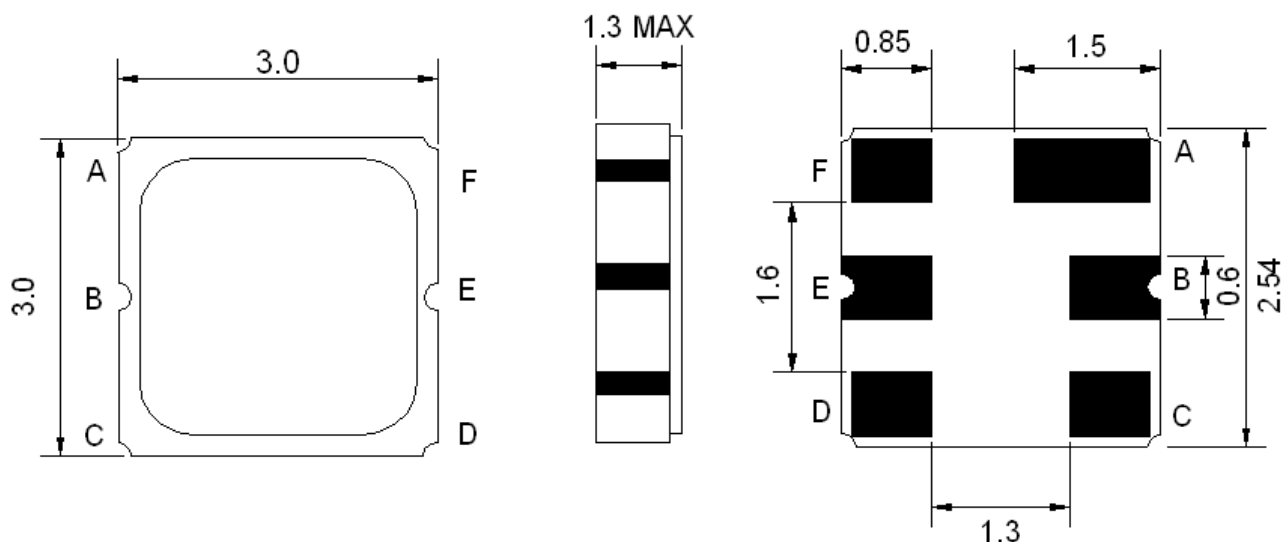
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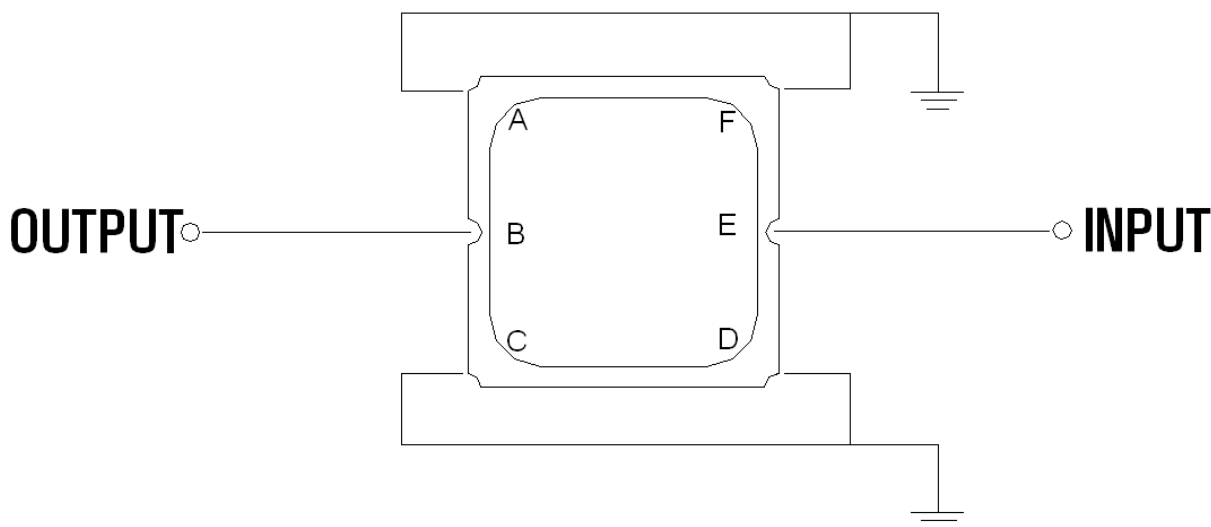
Outline Drawing:



Pin Description:

Ground – A C D F
Input – E
Output – B

Testing Environment:



Source/Load Impedance: 50 Ω



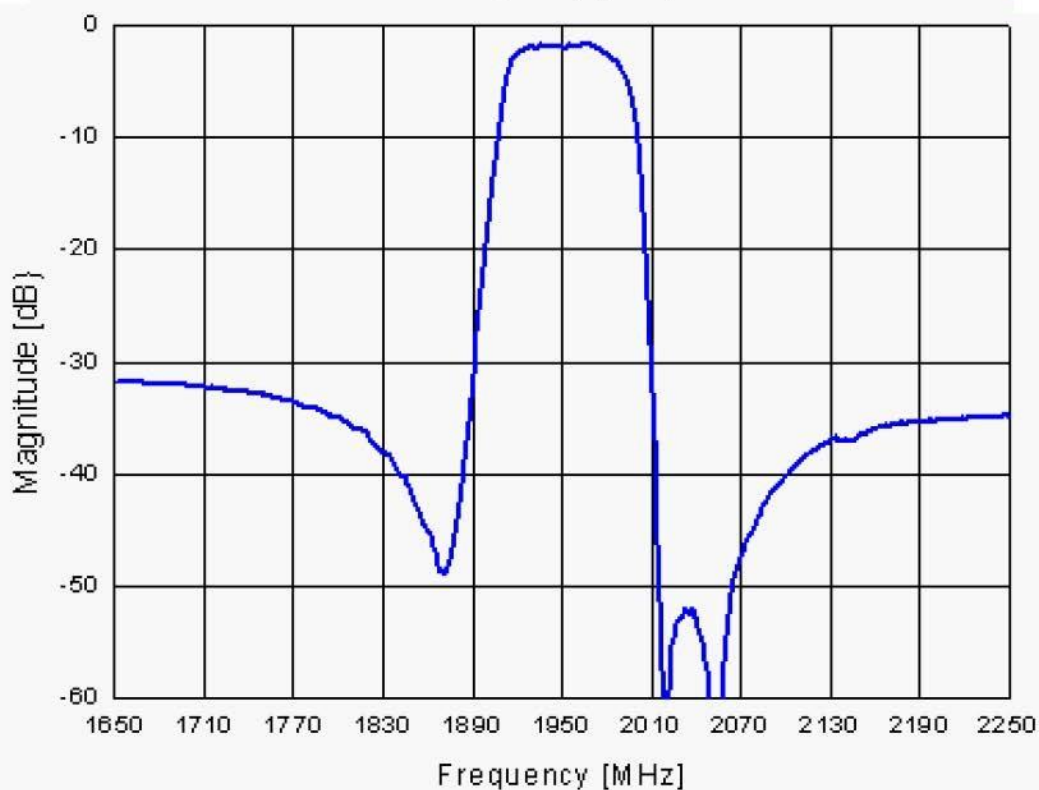
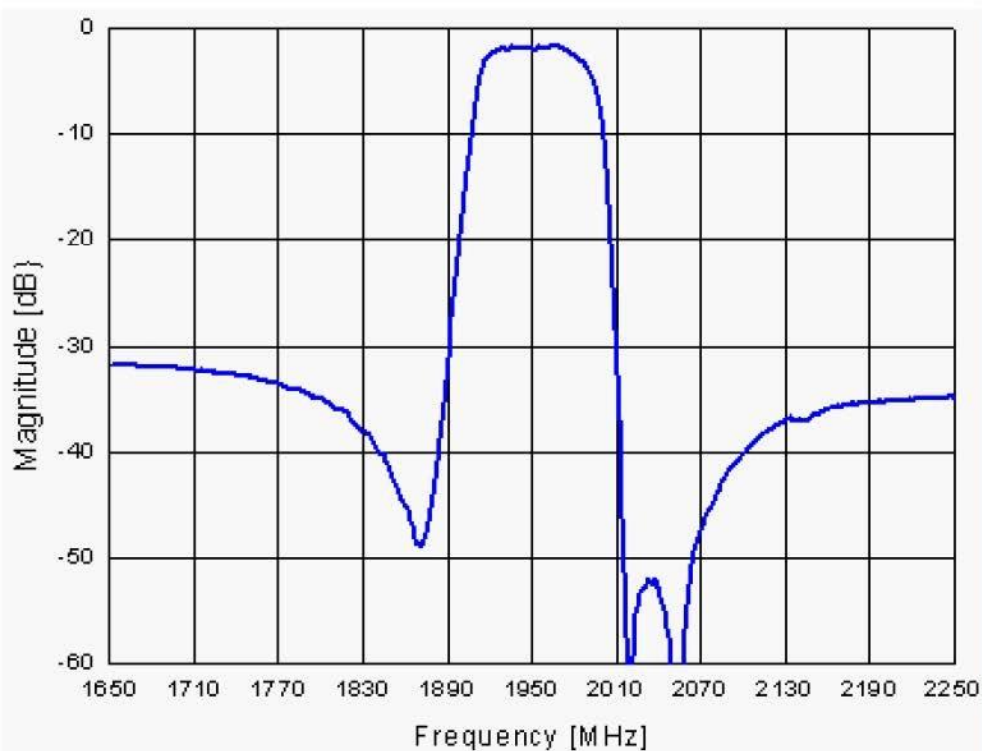
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Response Plot:





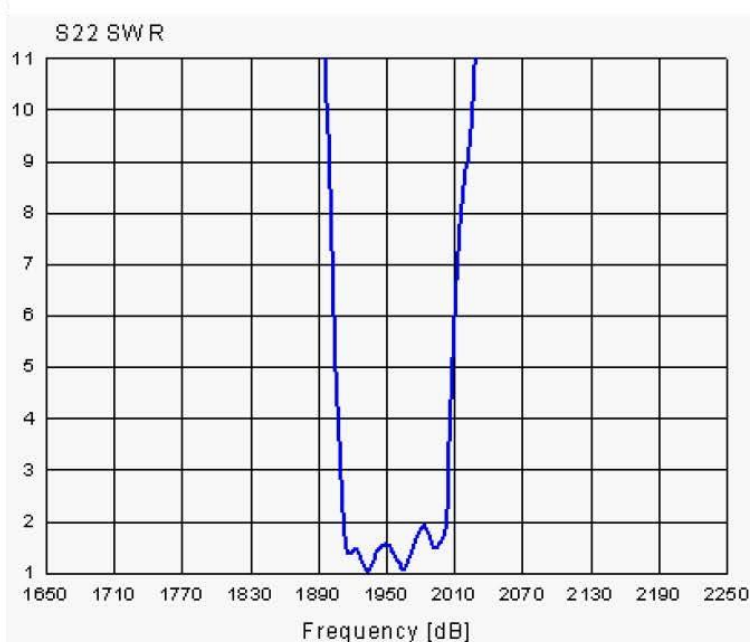
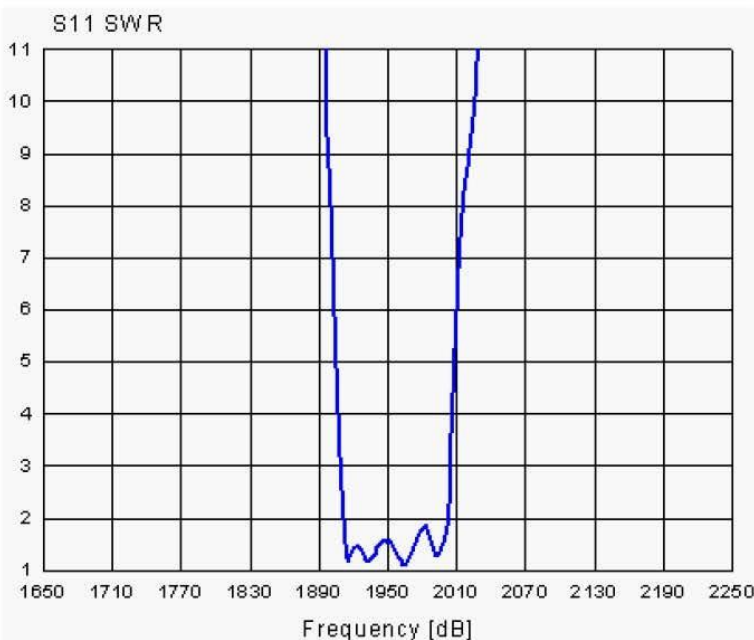
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VSWR:



Smith Chart

