



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

947 MHz Saw Filter

Part Number: AM947S106



Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	947.5	-
Insertion Loss within 935.0 ~ 960.0 MHz	dB	-	3.2	4.0
Amplitude Ripple within 935.0 ~ 960.0 MHz	dB _{p-p}	-	0.8	1.5
VSWR within 935.0 ~ 960.0 MHz	-	-	1.7	2.0
Attenuation:				
DC ~ 870.0 MHz	dB	45	53	-
870.0 ~ 915.0 MHz	dB	40	45	-
980.0 ~ 985.0 MHz	dB	28	32	-
985.0 ~ 1025 MHz	dB	29	34	-
1025 ~ 1500 MHz	dB	42	48	-
1500 ~ 2000 MHz	dB	40	47	-
2000 ~ 3000 MHz	dB	35	39	-

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	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			



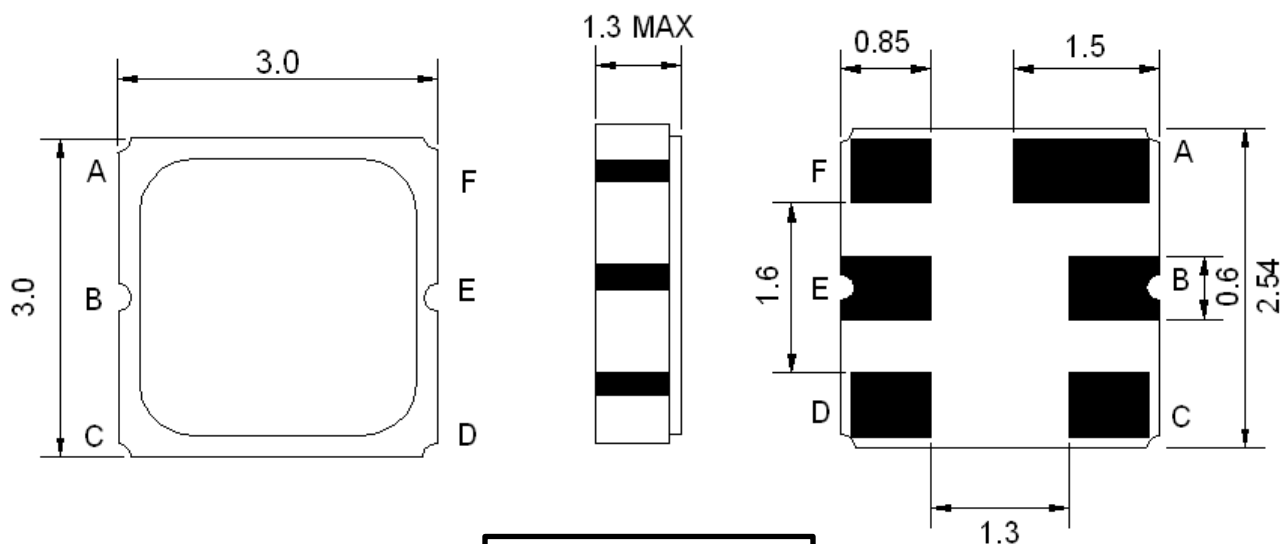
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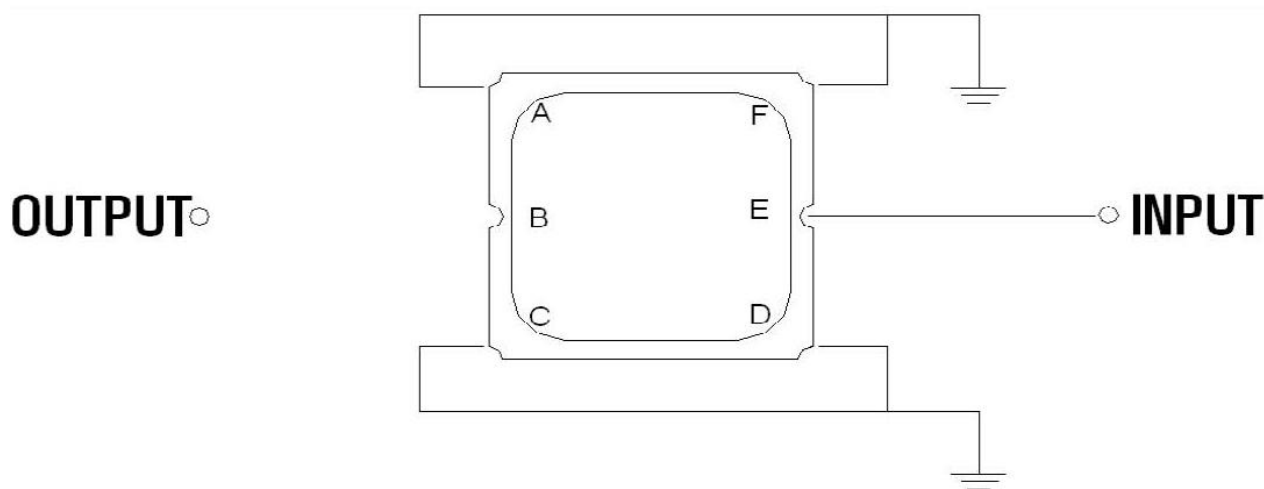


Outline Drawing:



Pin Description:
Ground – A C D F
Input – E
Output – B

Testing Environment:



Source & Load Impedance: 50 Ω



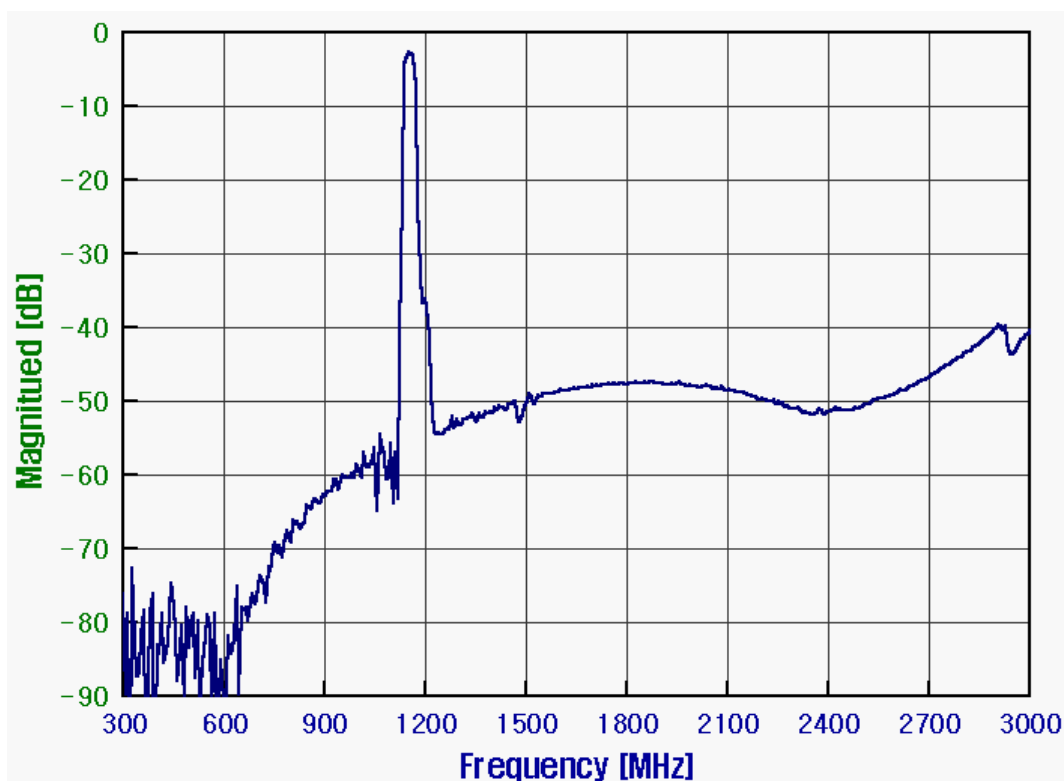
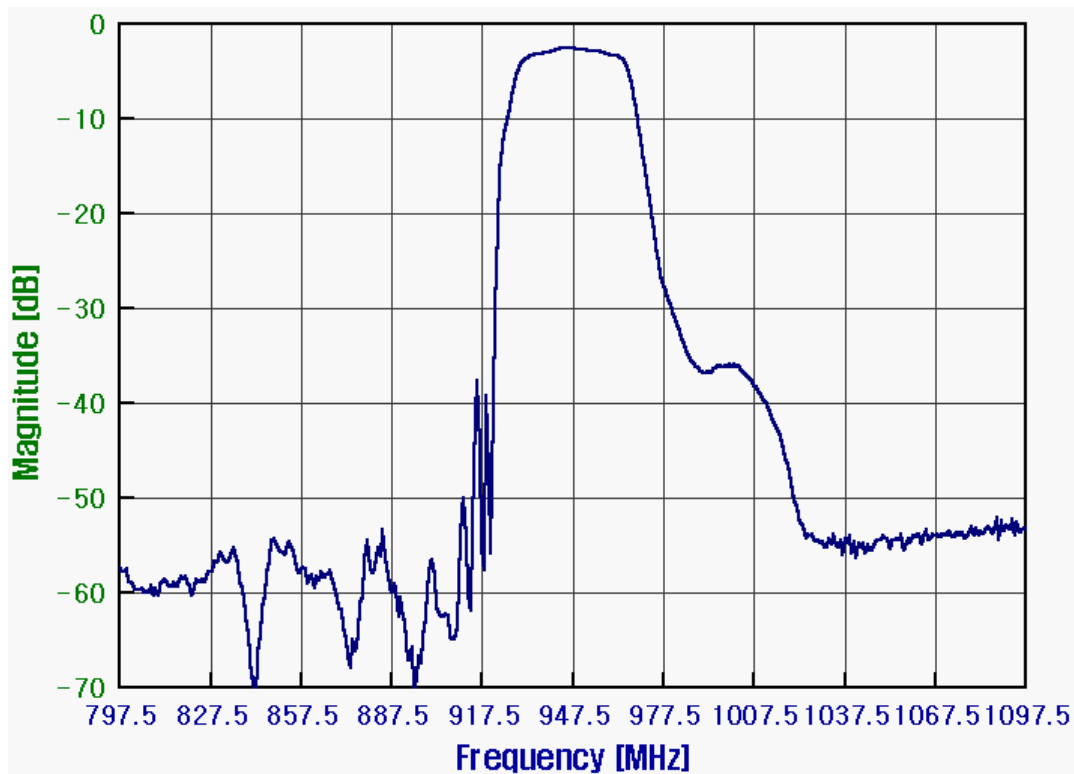
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Response Plot:





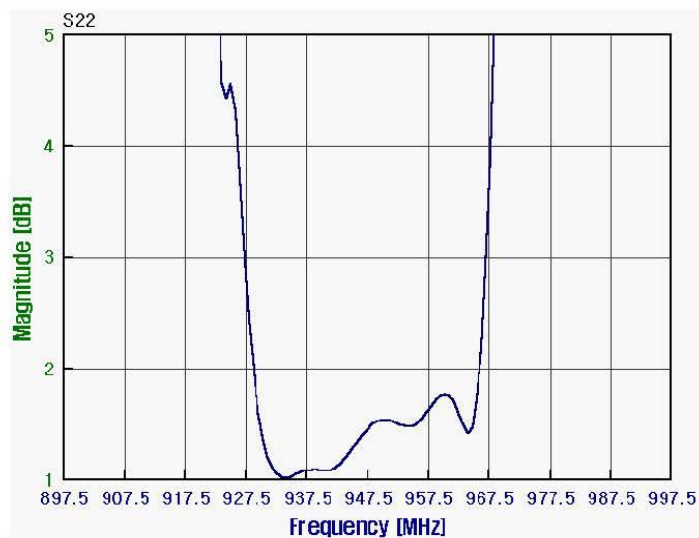
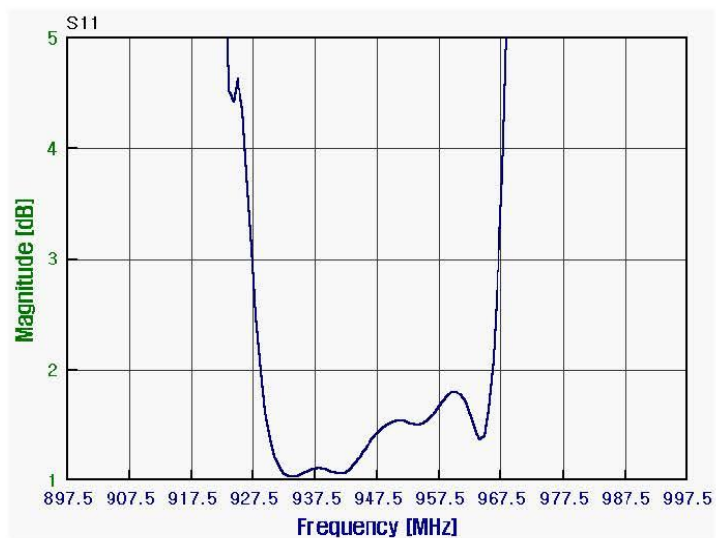
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VSWR:



Smith Chart:

