



2575 MHz RF Saw Filter

Part Number: AE2575SB1138



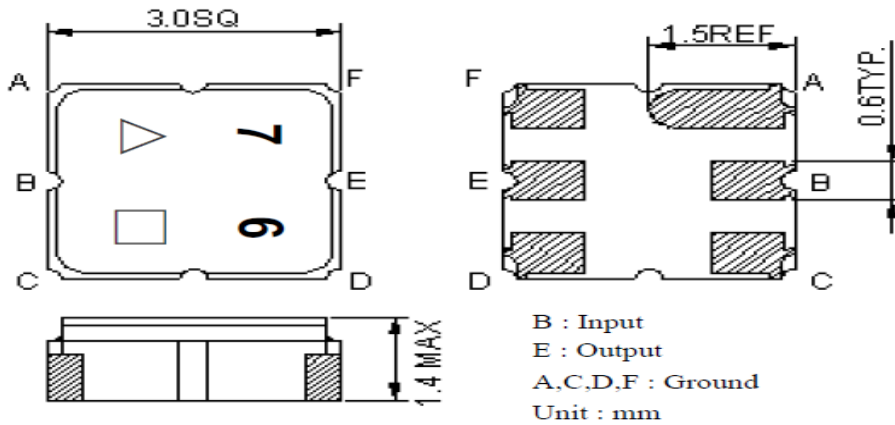
Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	2575	-
Insertion Loss within 2560 ~ 2590 MHz	dB	-	2.9	3.5
Amplitude Ripple within 2560 ~ 2590 MHz	dB _{p-p}	-	1.0	2.2
Return Loss within 2560 ~ 2590 MHz	-	-	9	15
Attenuation:				
2100 ~ 2450 MHz	dB	35	45	-
2680 ~ 2840 MHz	dB	40	55	-
2840 ~ 3000 MHz	dB	35	50	-

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+95
Maximum DC Voltage	V	-	-	3
Maximum Input Power	dBm	-	-	10
Source Impedance (Single Ended) ₁	Ω	-	50	-
Load Impedance (Single Ended) ₁	Ω	-	50	-
Package Size	3.0 x 3.0 x 1.4 mm M			

Note: (1) No Matching Network (Ref. Testing Environment Circuit as shown below.)

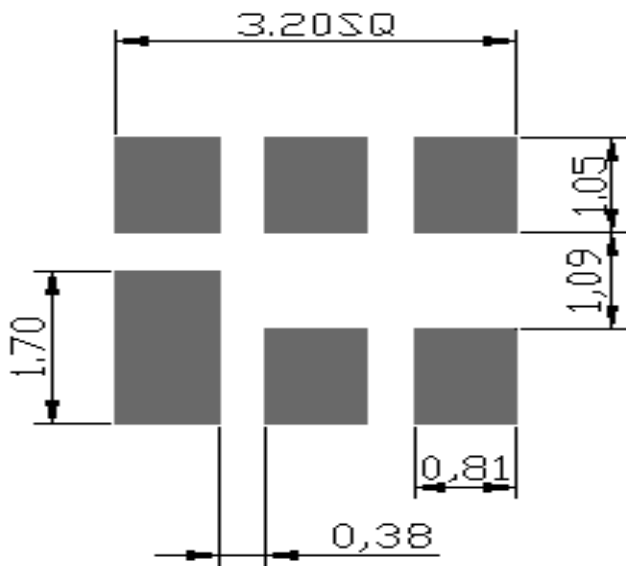


Outline Drawing:

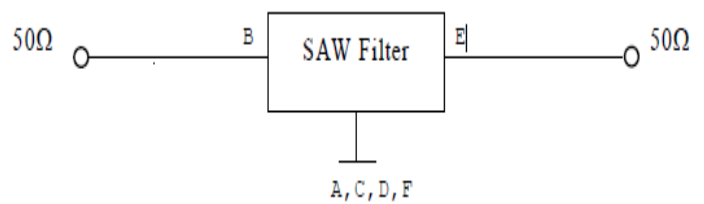


△ : Year Code (2006->6, ..., 2009->9)
□ : Date Code (Follow the table from planner each year)

PCB Footprint:



Testing Environment:



Tolerance: +/-0.01 inches[+/-0.3mm]

Angles: +/-1 Deg.

*Tolerance as shown unless otherwise specified in the datasheet electrical specification tables above.

*When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.

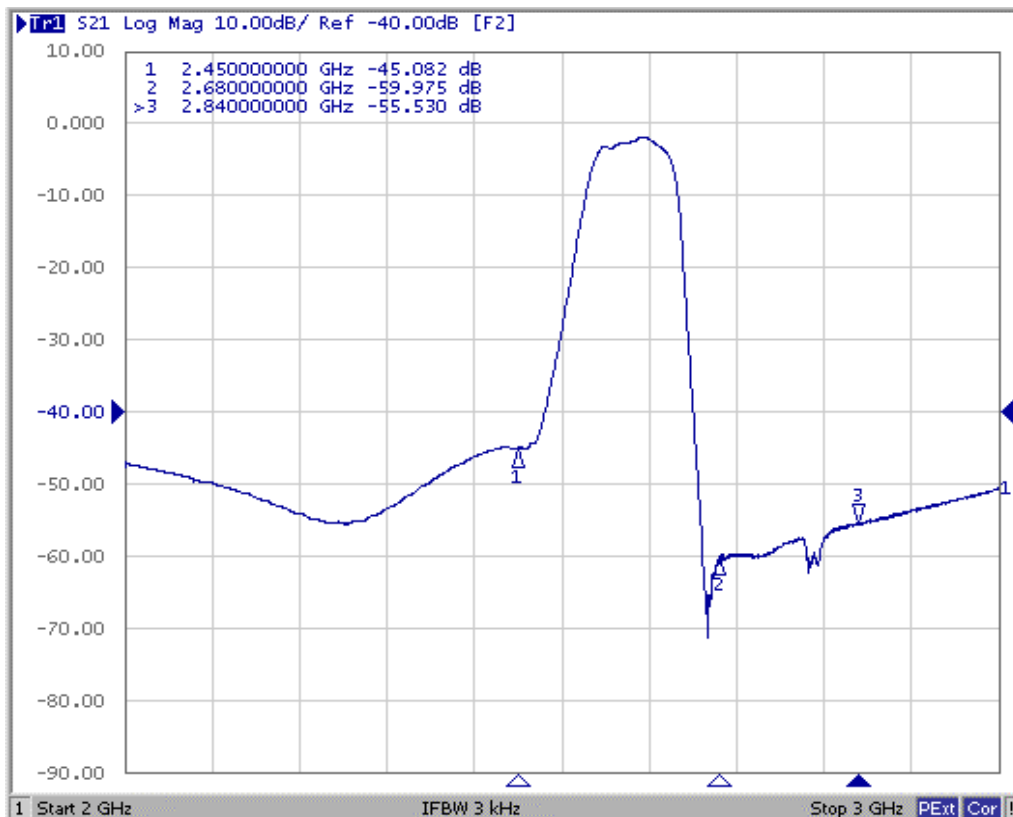
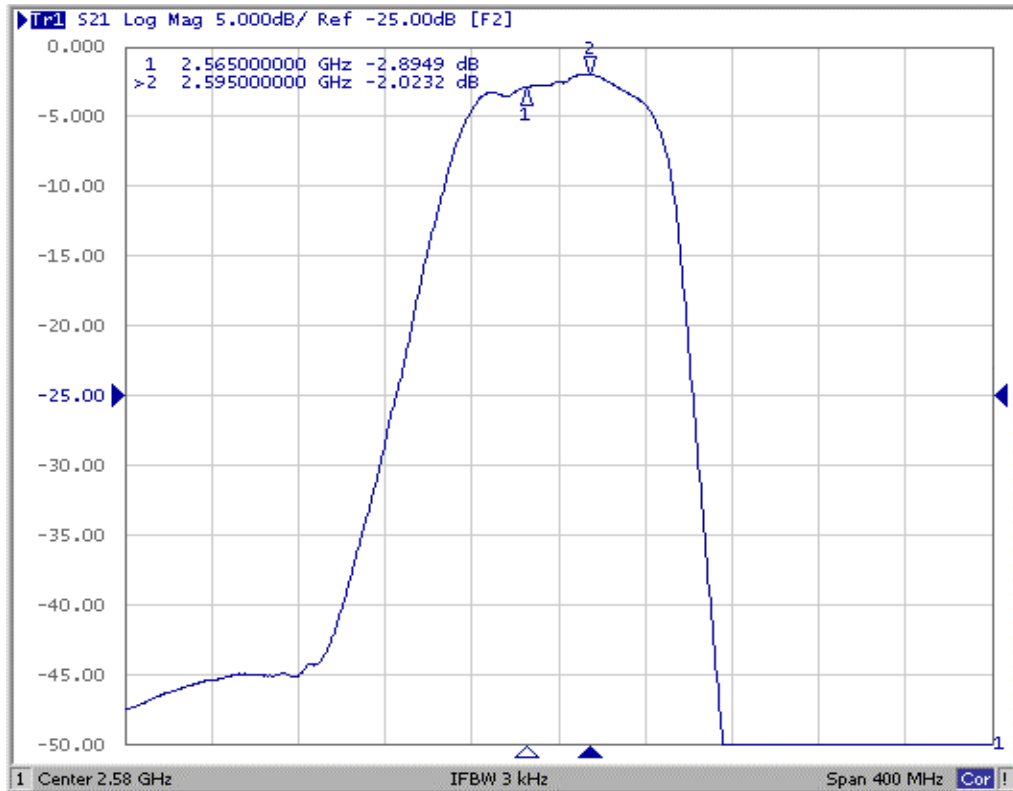


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Response Plots:



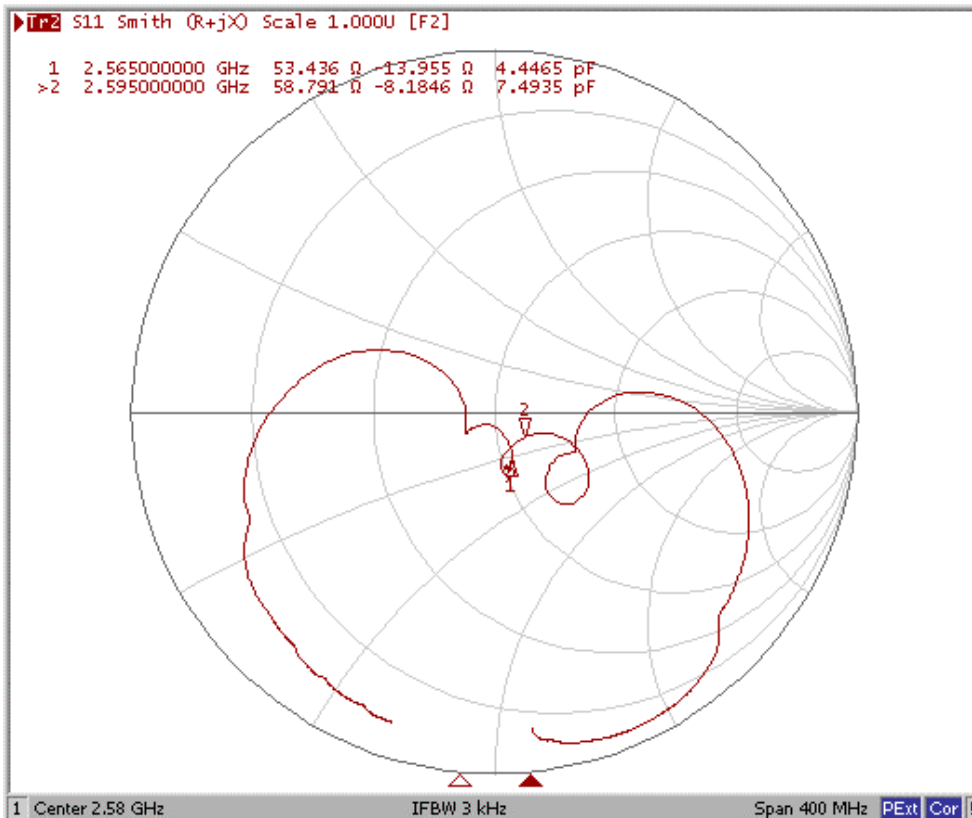
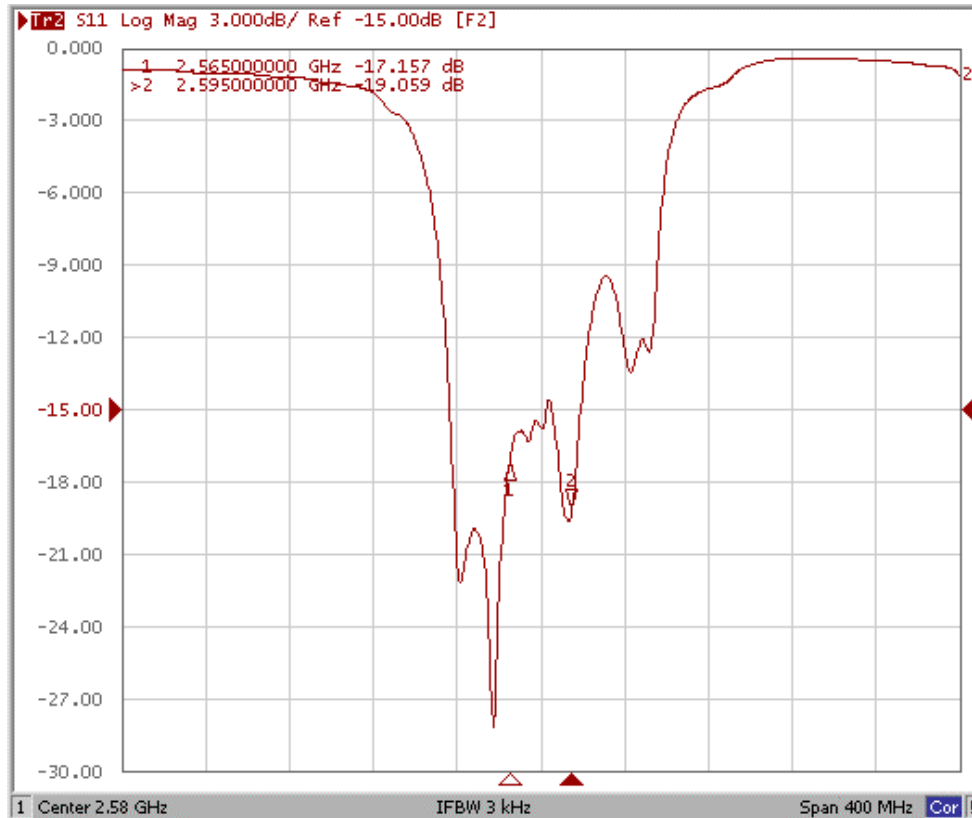


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Reflection Functions S11:





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Reflection Functions S22:

