

SAW Filter 2549.50MHz

Model: TA1161B

Part No: MP07993 (AEC-Q200 compliant)

Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

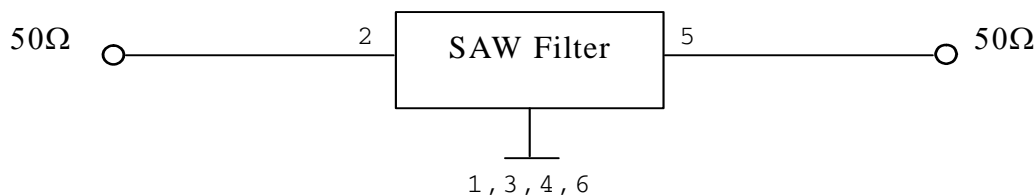
1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +125°C

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	2549.5	-	-
Insertion Loss (2501 ~ 2598MHz) IL	dB	-	2.8	4	-
Amplitude Ripple (2501 ~ 2598MHz)	dB	-	1.7	2.5	-
VSWR (2501 ~ 2598MHz)		-	2	2.5	-
Attenuation (Reference level from 0dB)					
DC ~ 2400MHz	dB	25	28	-	-
2400 ~ 2445MHz	dB	31	38	-	-
2445 ~ 2460MHz	dB	19	29	-	-
2660 ~ 3800MHz	dB	28	36	-	-
3800 ~ 5000MHz	dB	15	20	-	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-	-

C. MEASUREMENT CIRCUIT:

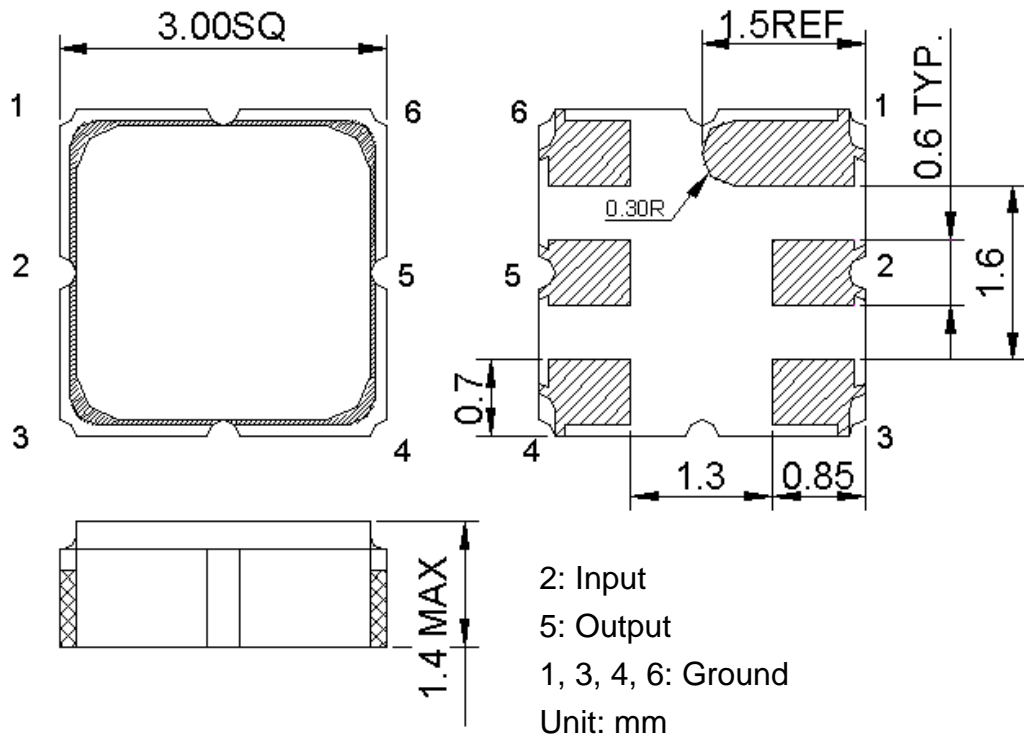
HP Network analyzer



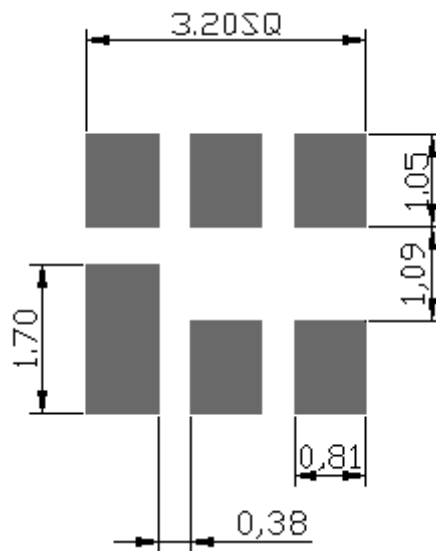
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D. OUTLINE DRAWING:



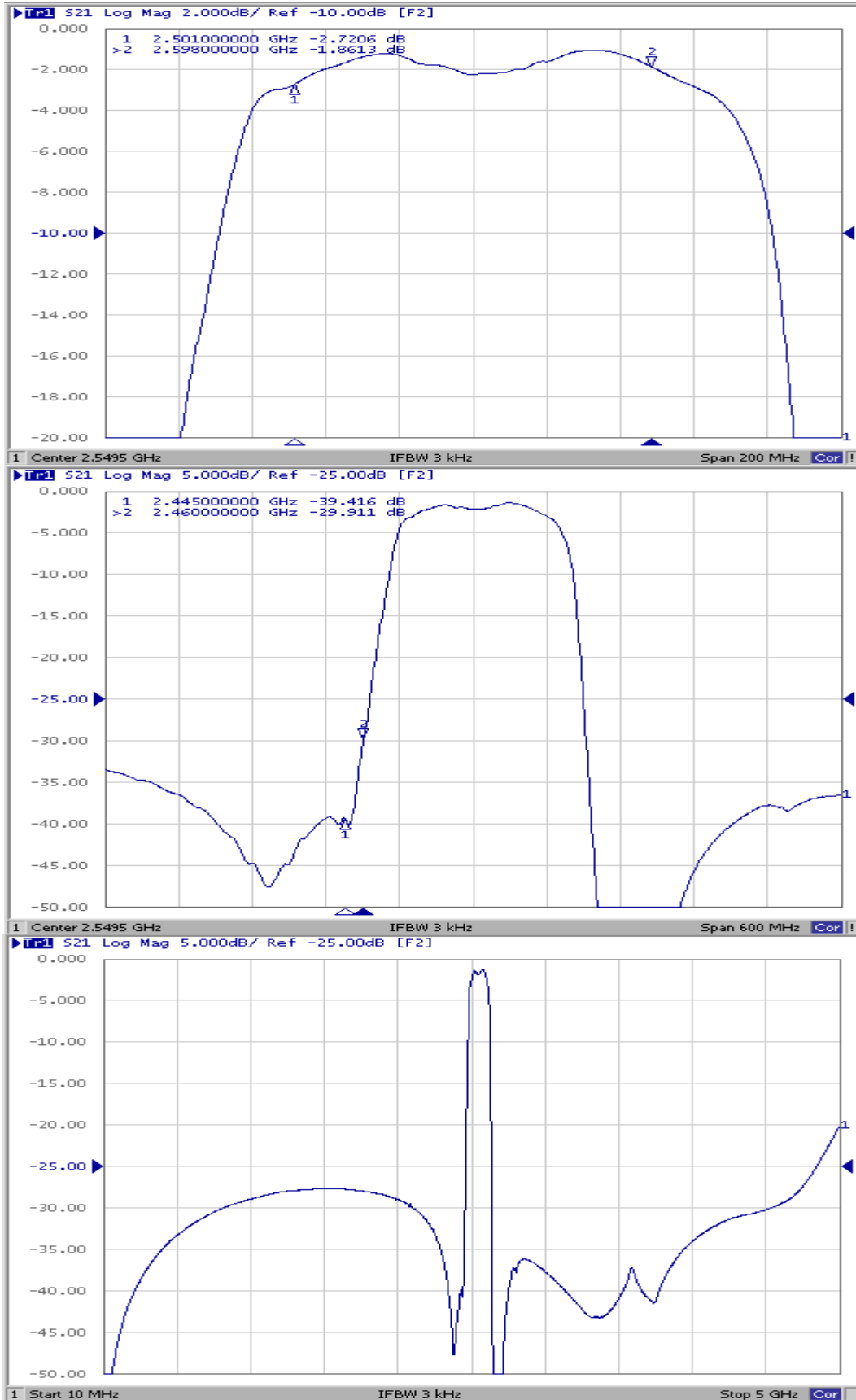
E. PCB FOOTPRINT:



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F. FREQUENCY CHARACTERISTICS:

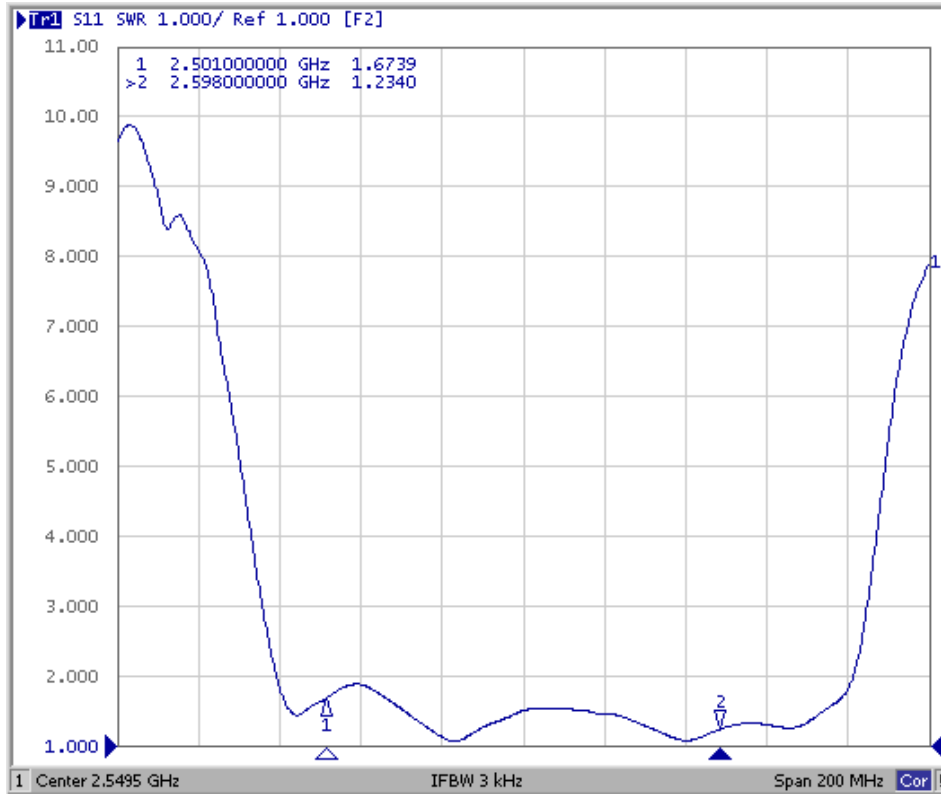


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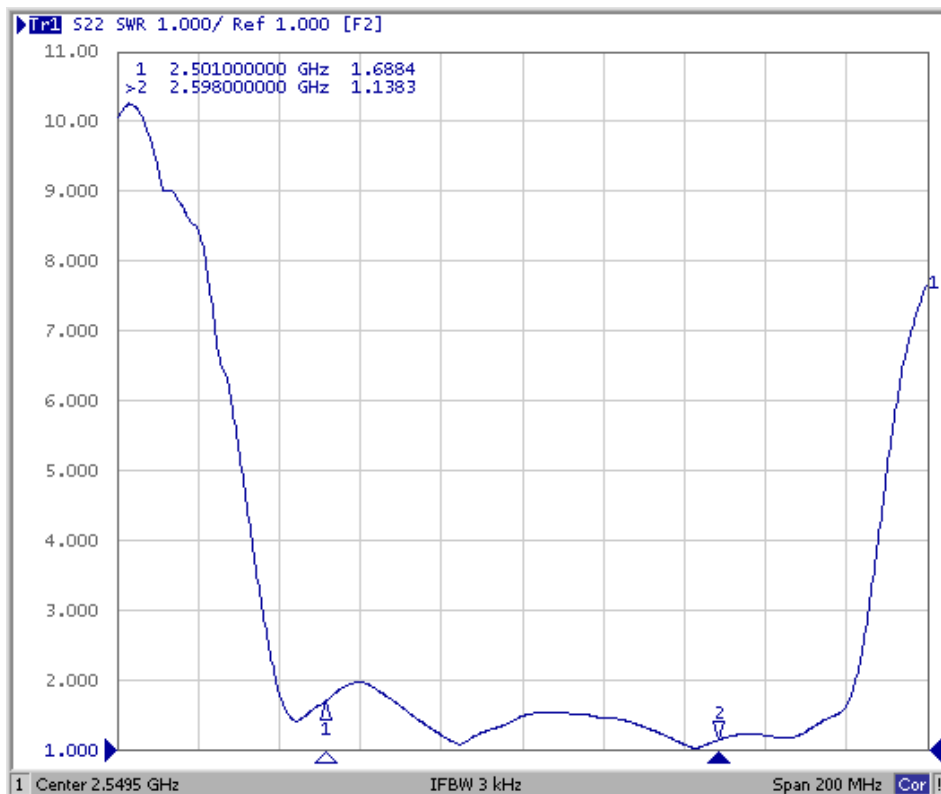
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Reflection Functions

S11



S22



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H. RECOMMENDED REFLOW PROFILE:

1. Preheating shall be fixed at 150 ~ 180°C for 60 ~ 90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50 ~ 80 seconds and at 260°C +0/-5°C peak (20 ~ 40 sec).
4. Time: 2 times.

