

SAW Filter 2550.0MHz
Part No: MP07548

Model: TA1539A
Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -30°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

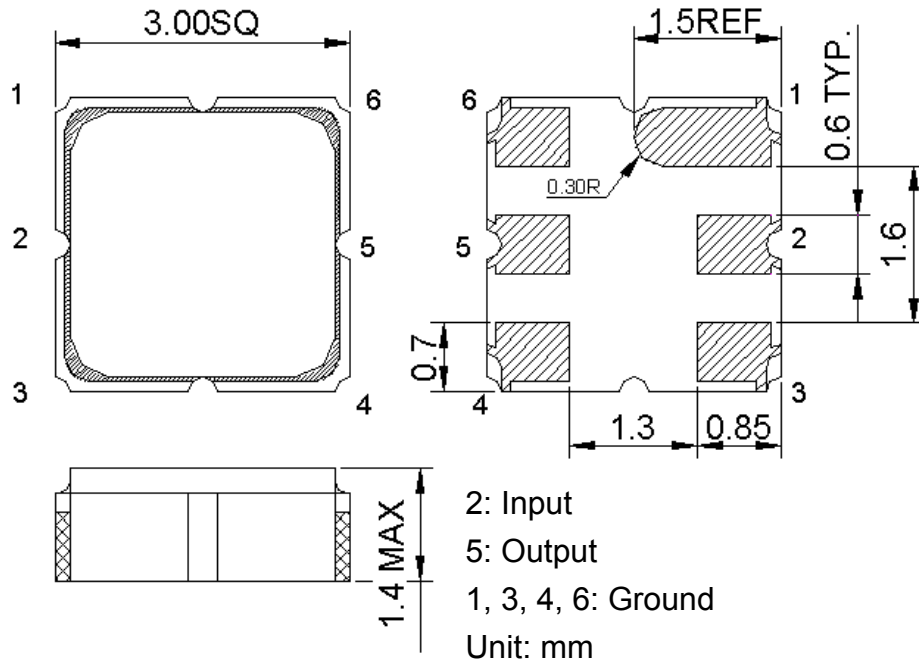
1. Terminating source impedance (single ended): $Z_S = 50\Omega$
2. Terminating load impedance (single ended): $Z_L = 50\Omega$

Item	Unit	Min.	Typ.	Max.	Note
Center frequency F_c	MHz	-	2550	-	-
Insertion Loss (2532.5 ~ 2567.5MHz) IL	dB	-	2.7	3.2	-
Amplitude Ripple (2532.5 ~ 2567.5MHz)	dB	-	0.4	1.5	-
VSWR (2532.5 ~ 2567.5MHz)		-	2	2.2	-
Attenuation (reference level from 0 dB)					
2295 ~ 2325MHz	dB	40	48	-	-
2498MHz	dB	6	17	-	-
2650 ~ 3500MHz	dB	40	50	-	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-	-

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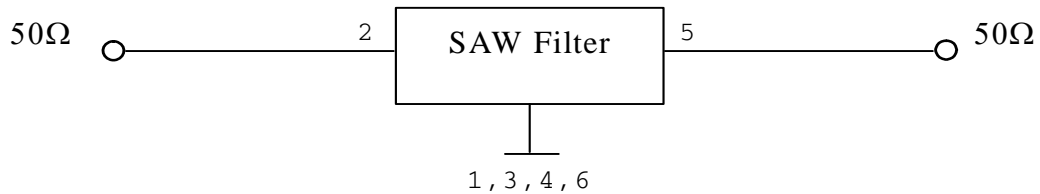
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C. OUTLINE DRAWING:

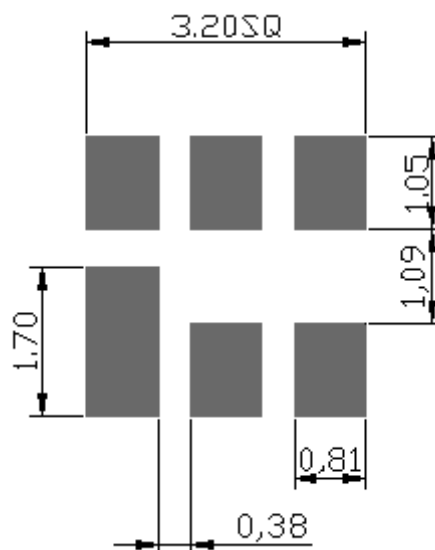


D. MEASUREMENT CIRCUIT:

HP Network analyzer



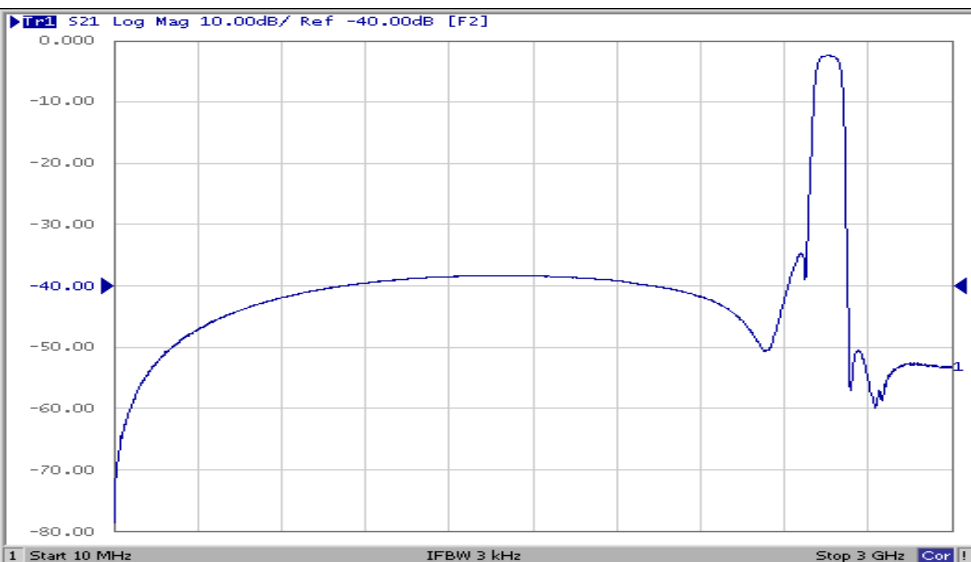
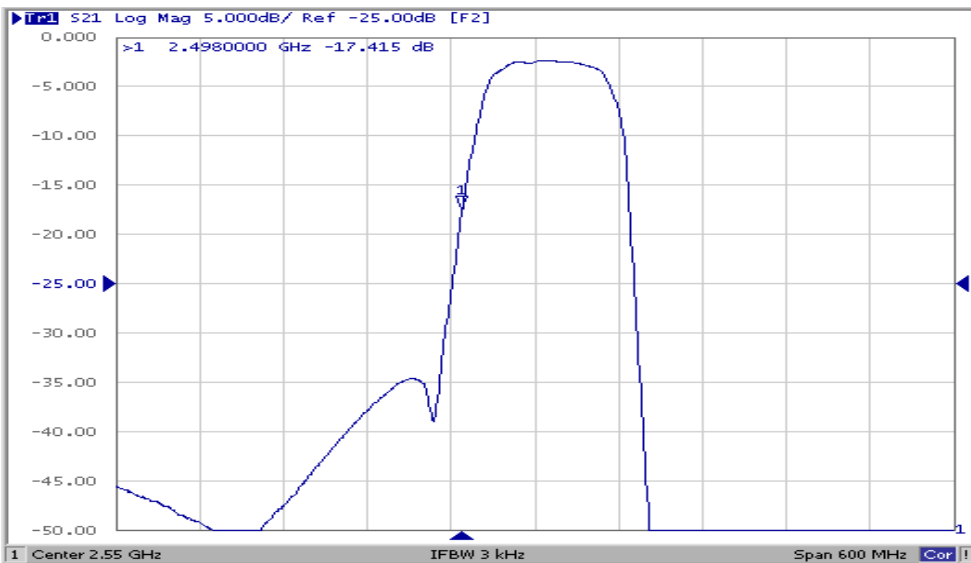
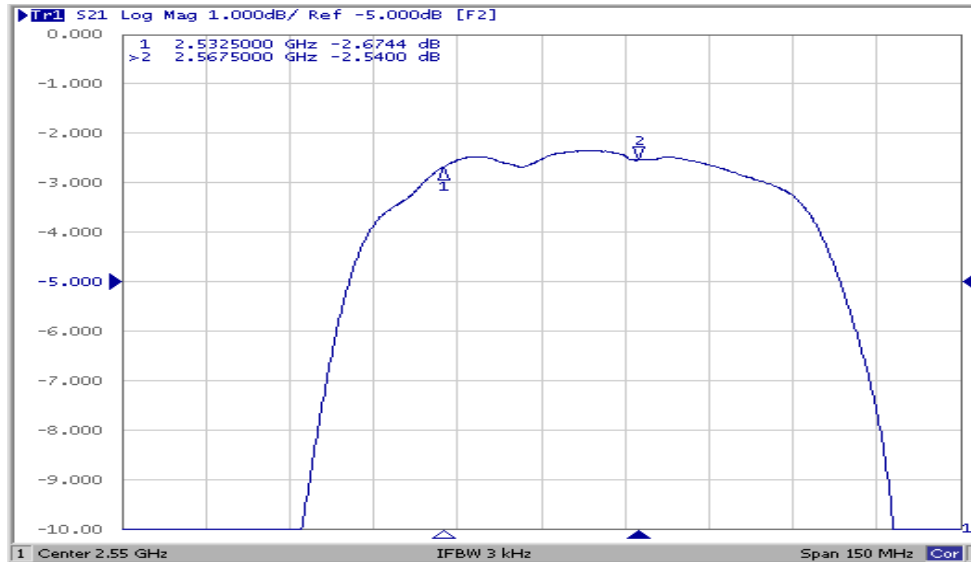
E. PCB FOOTPRINT:



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F. FREQUENCY CHARACTERISTICS:

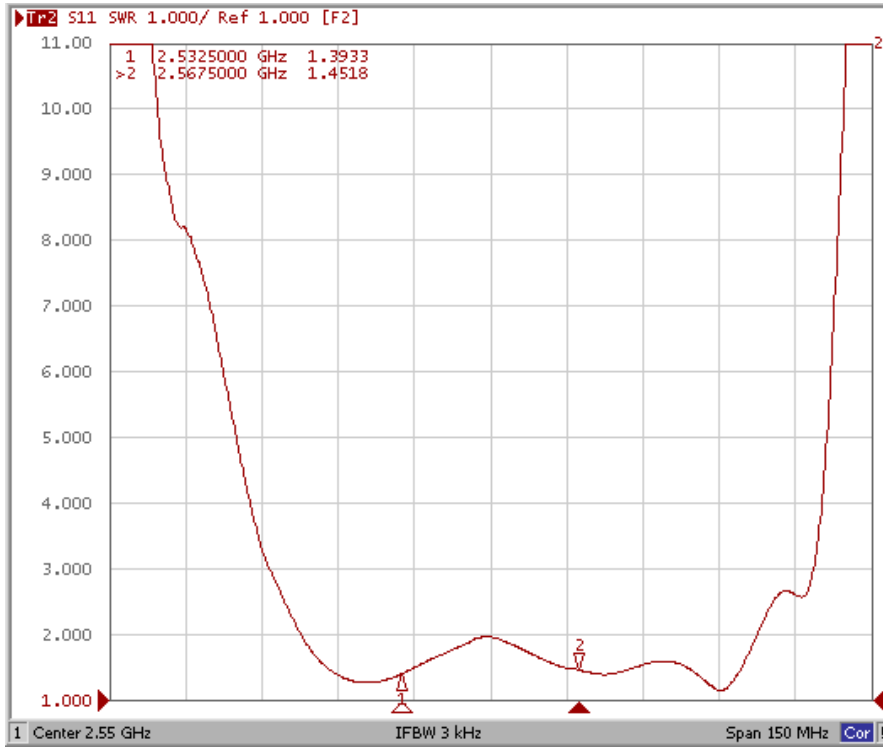


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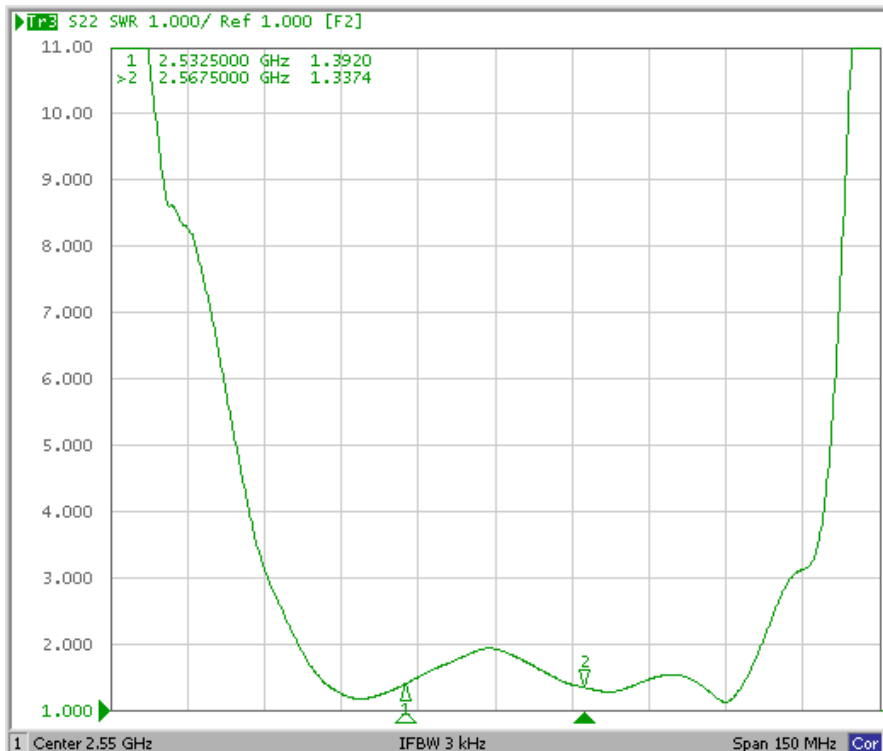
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Reflection Functions:

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 245 ~ 260°C peak (min. 10 sec).
4. Time: 2 times.

