

SAW Filter 875.0MHz
Part No: MP10082

Model: TA2554A
Rev No: 1

A. MAXIMUM RATING:

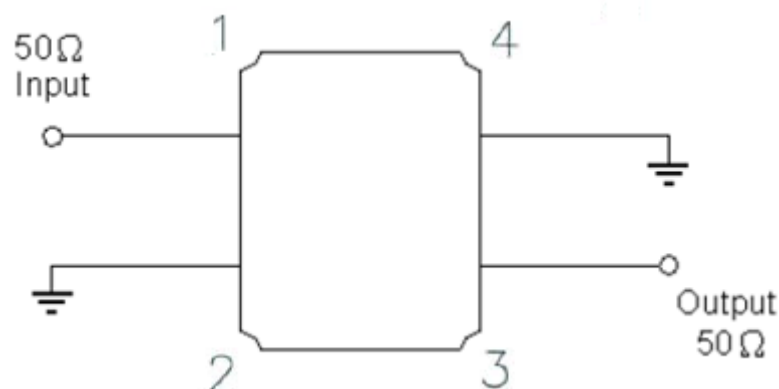
Electrostatic Sensitive Device (ESD)

1. Input Power Level: 10dBm
2. DC voltage: 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitivity Level: Level 1 (MSL1)

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	875	-
Insertion Loss (870 ~ 880MHz) IL	dB	-	2.5	3.0
Amplitude Variation (870 ~ 880MHz)	dB P-P	-	0.6	1.0
Return Loss (870 ~ 880MHz)	dB	10	13	-
Group Delay Variation (870 ~ 880MHz)	ns P-P	-	15	50
Attenuation (Reference level from 0dB)				
10 ~ 810MHz	dB	40	49	-
810 ~ 848MHz	dB	35	43	-
924 ~ 960MHz	dB	35	42	-
960 ~ 1110MHz	dB	40	57	-
1110 ~ 3000MHz	dB	27	31	-
Temperature coefficient of frequency	ppm/k	-	-36	-

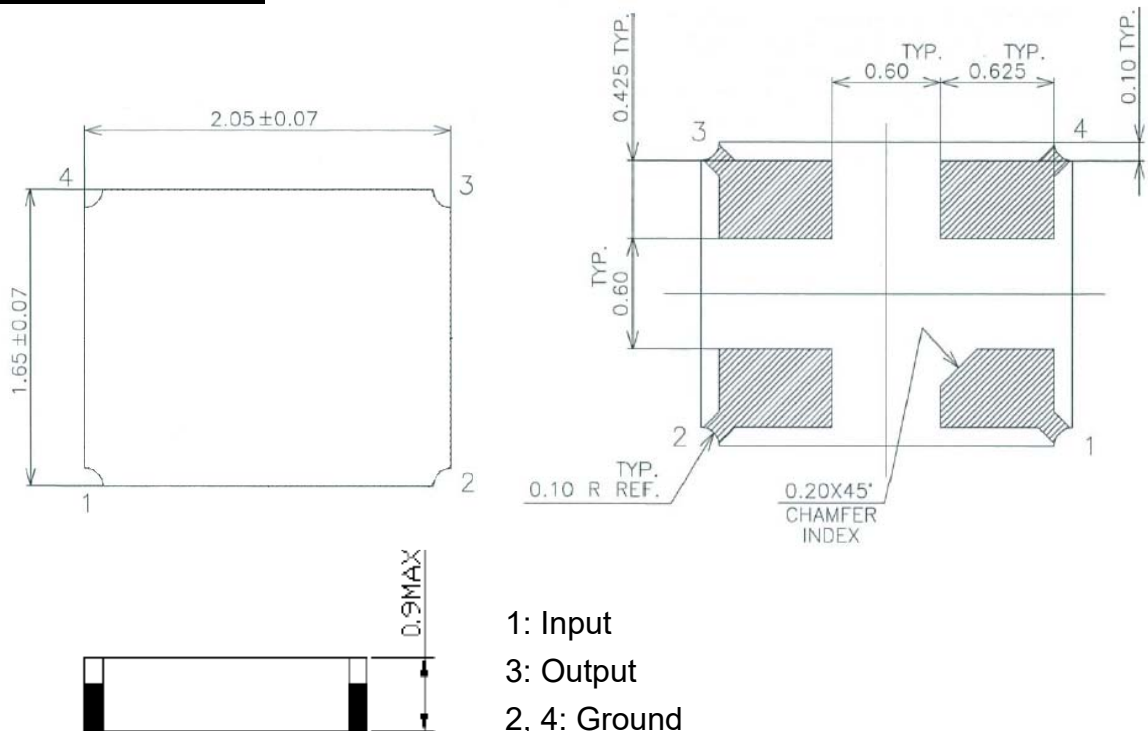
C. MEASUREMENT CIRCUIT:



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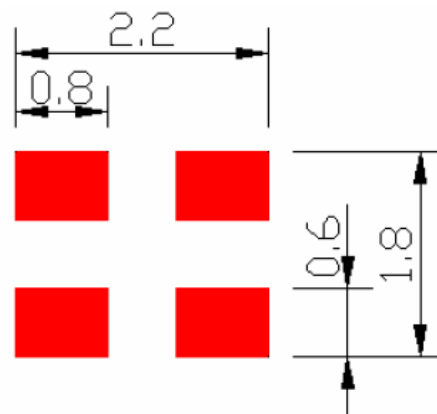
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D. OUTLINE DRAWING:



1: Input
 3: Output
 2, 4: Ground
 Unit: mm

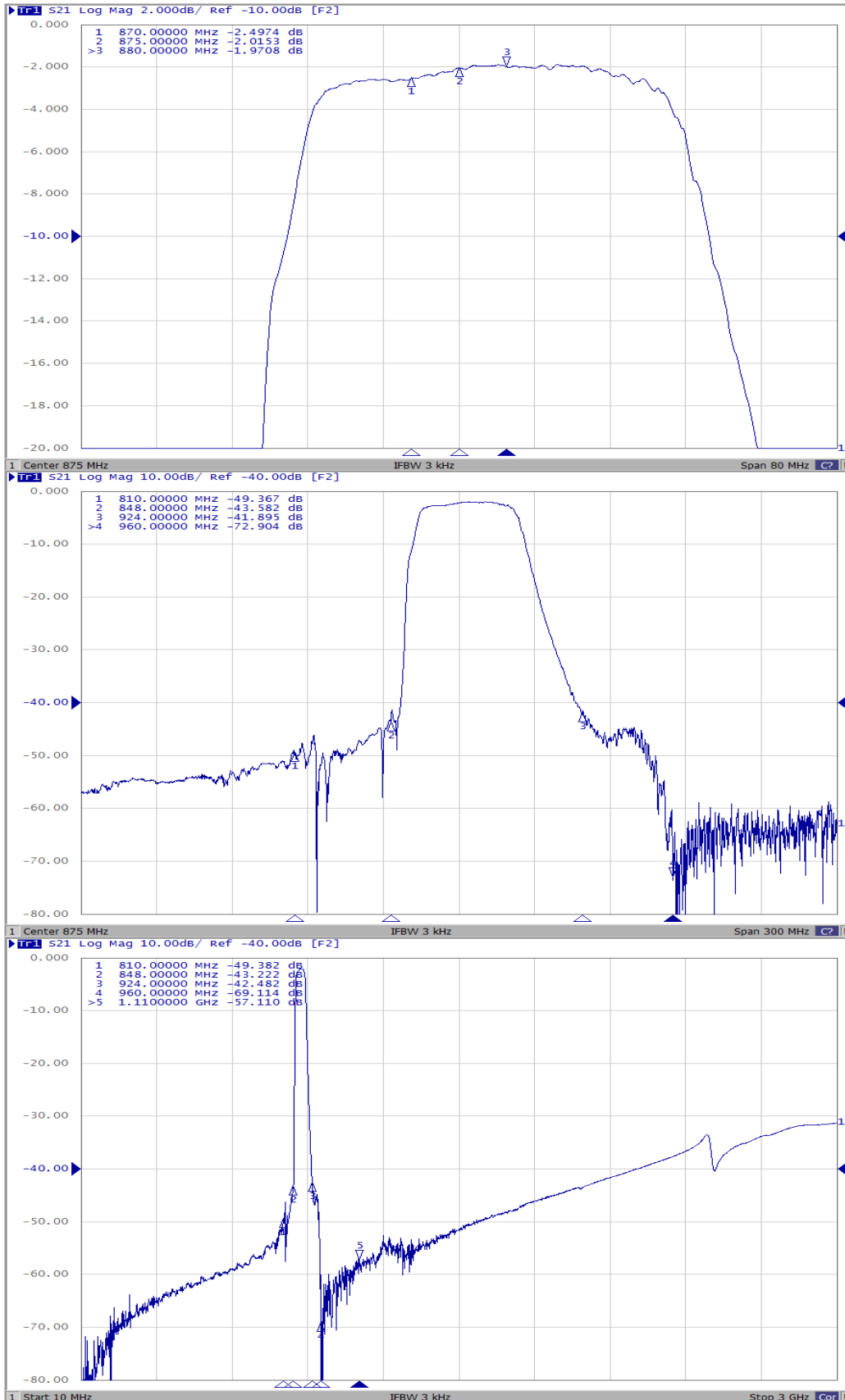
E. PCB FOOTPRINT:



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F. FREQUENCY CHARACTERISTICS:

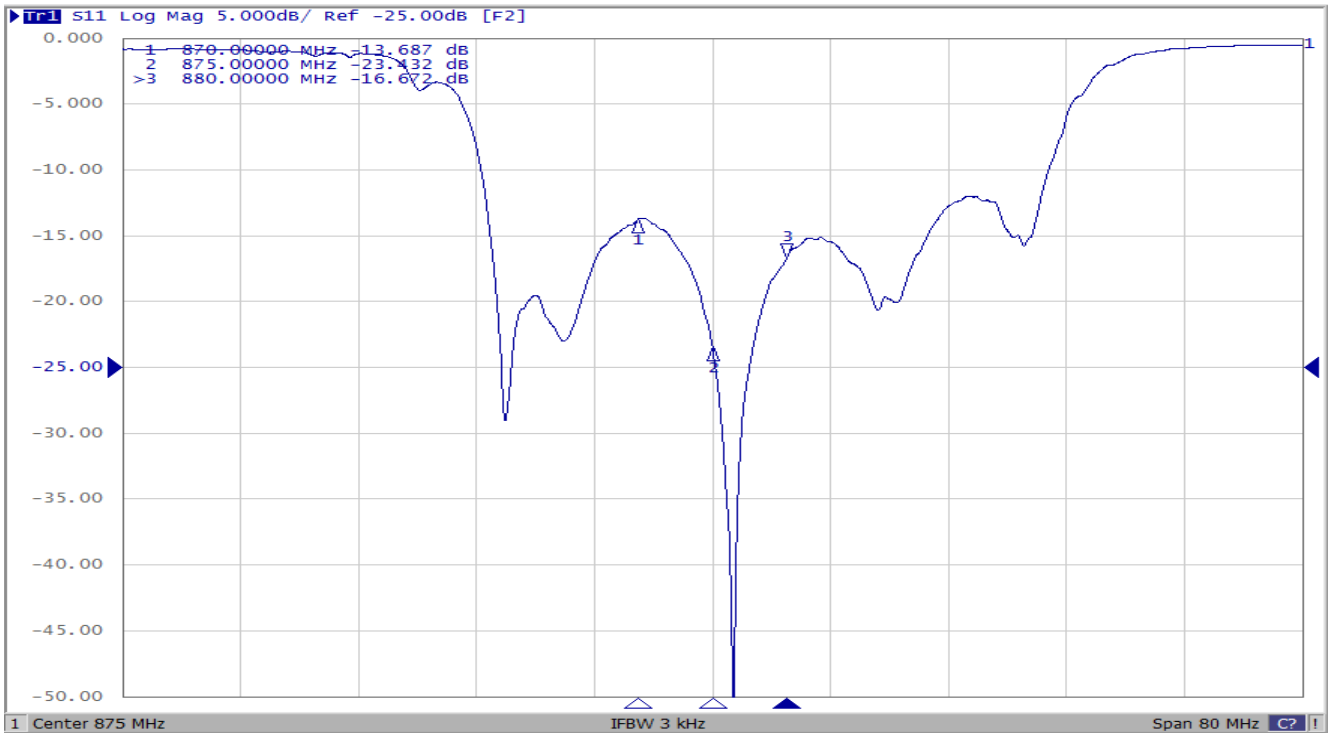


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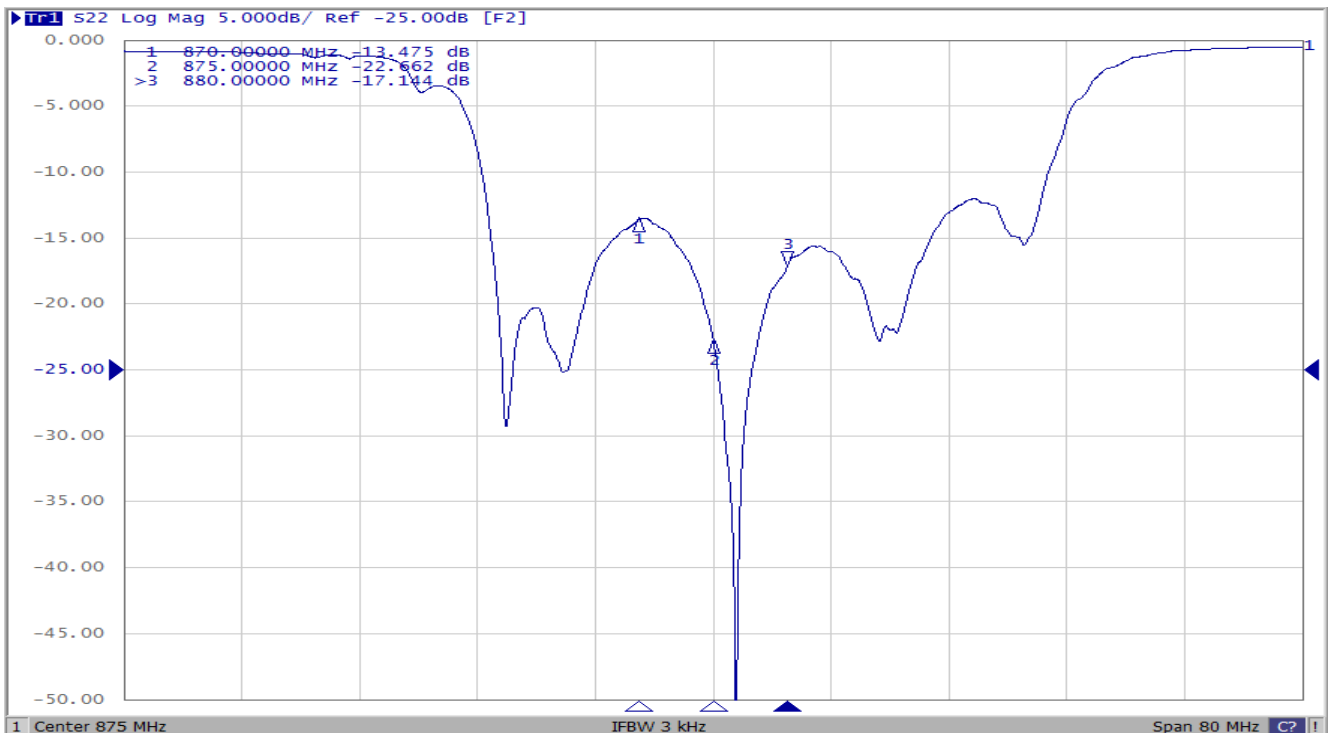
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Reflection Functions:

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.

