

**SAW Filter 869.30MHz**  
**Part No: MP08527**

**Ref No: TA1974A**  
**Rev No: 1**

**A. MAXIMUM RATING:**

Electrostatic Sensitive Device (ESD)

1. Input Power Level: 10dBm
2. DC Voltage: 6V
3. Operating Temperature: -10°C to +55°C
4. Storage Temperature: -40°C to +85°C

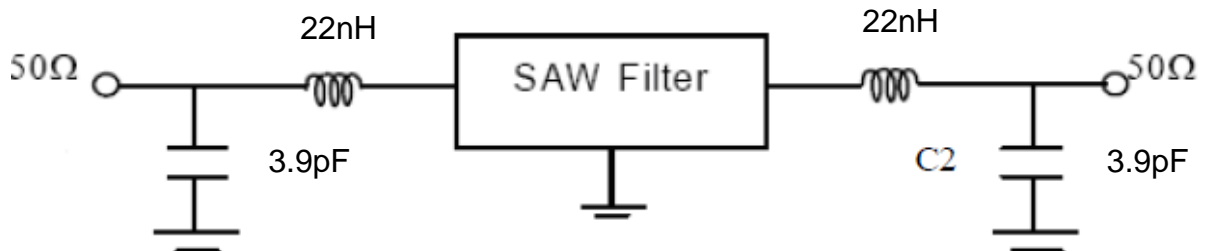
**B. ELECTRICAL CHARACTERISTICS:**

Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	869.3	-
Min. insertion loss IL min incl. loss in matching elements	dB	-	2.9	3.5
Min. insertion loss IL min excl. loss in matching elements	dB	-	2.6	3.2
Passband (relative to IL min) 868.7 ~ 870MHz	dB	-	1.0	3.0
Passband (relative to IL min) 868.6 ~ 870MHz	dB	-	1.0	4.0
Attenuation (relative to IL min)				
10 ~ 700MHz	dB	45	54	-
700 ~ 760MHz	dB	43	49	-
760 ~ 820MHz	dB	38	43	-
820 ~ 860MHz	dB	25	36	-
860 ~ 867MHz	dB	10	24	-
867.5 ~ 868MHz	dB	7	14	-
870.6 ~ 872MHz	dB	5.5	14	-
872 ~ 876MHz	dB	12	17	-
876 ~ 890MHz	dB	20	26	-
890 ~ 910MHz	dB	29	33	-
910 ~ 1000MHz	dB	36	41	-
1000 ~ 1300MHz	dB	50	54	-
1300 ~ 2000MHz	dB	48	63	-
2000 ~ 2500MHz	dB	45	74	-

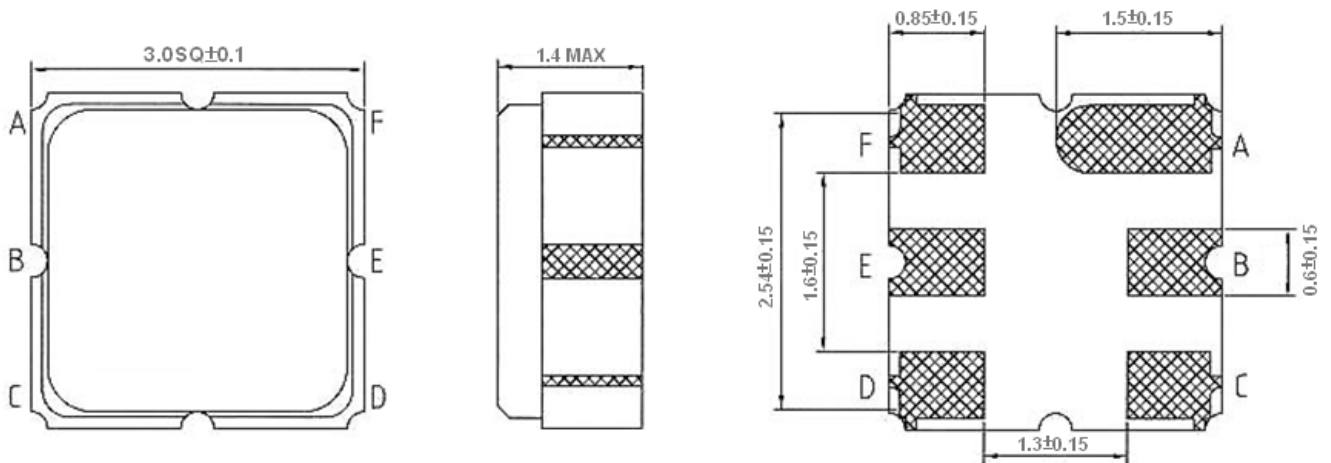
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**C. MEASUREMENT CIRCUIT:**

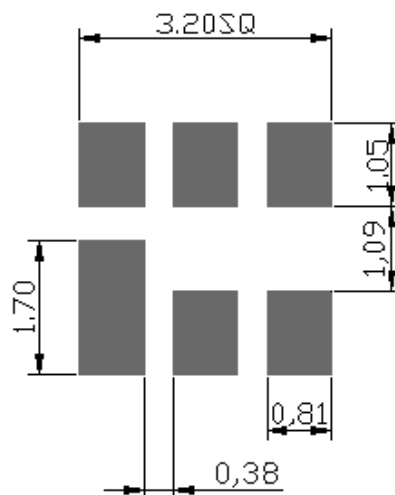


**D. OUTLINE DRAWING:**



B: Input  
 E: Output  
 A, C, D, F: Ground  
 Unit: mm

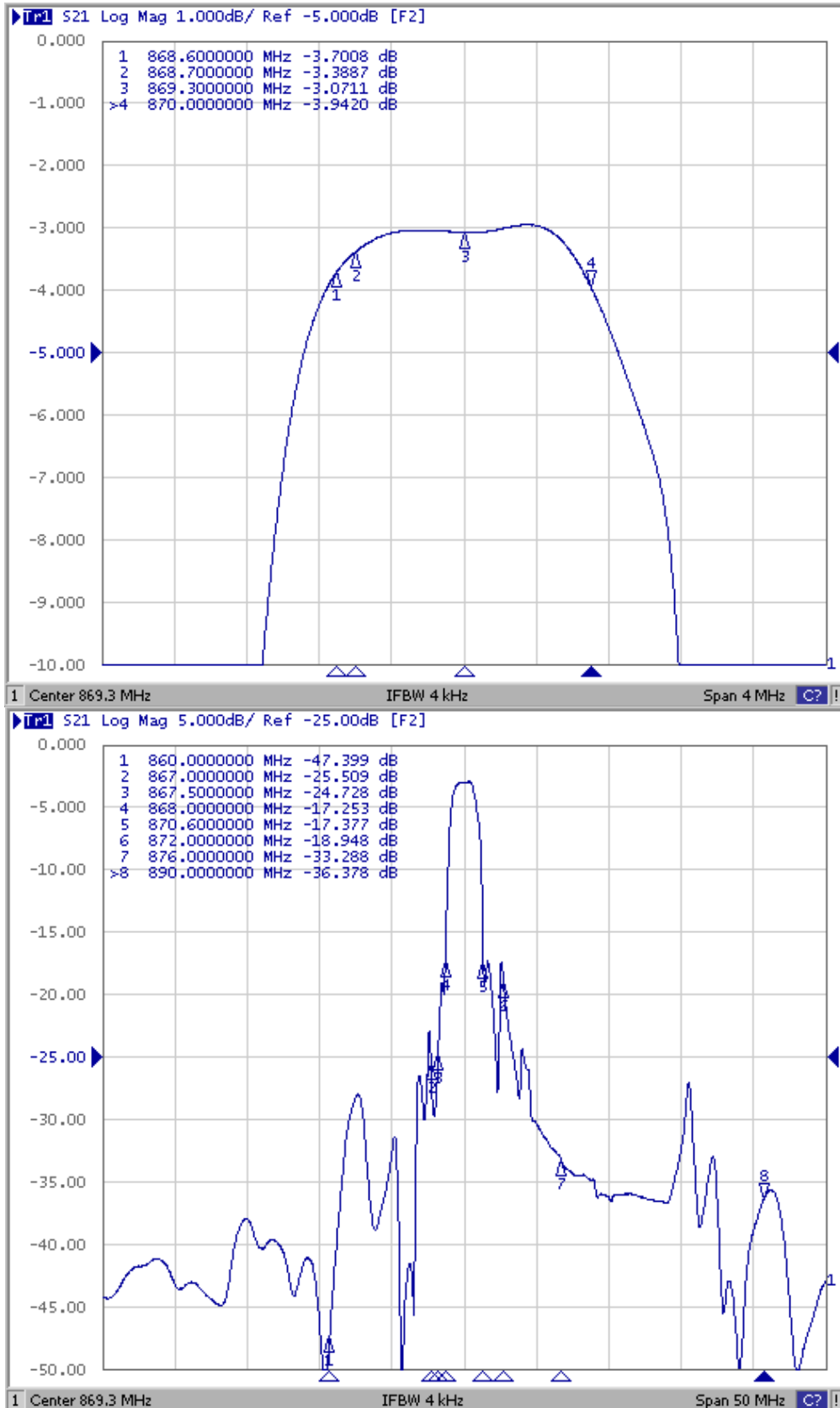
**E. PCB FOOTPRINT:**



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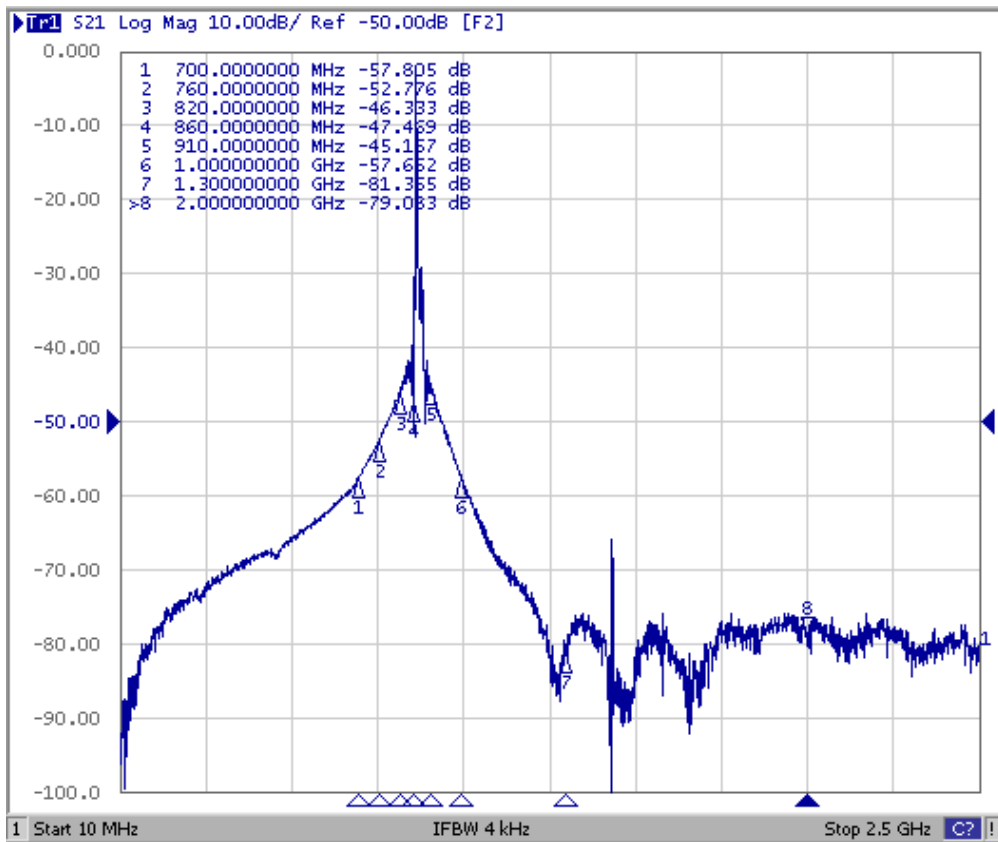
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**F. FREQUENCY CHARACTERISTICS:**



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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.

