

SAW Filter 908.420MHz
Part No: MP07167

Model: TA1864A
Rev No: 1

A. MAXIMUM RATING:

Electronic Sensitive Device (ESD)

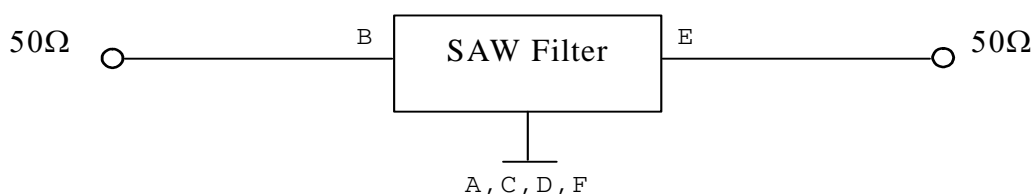
1. Input Power Level: 10dBm
2. DC voltage: 5V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	908.42	-
Insertion Loss (906.92 ~ 909.92MHz) IL	dB	-	2.7	4.2
Amplitude Ripple (906.92 ~ 909.92MHz)	dB	-	0.2	1.6
VSWR (906.92 ~ 909.92MHz)	-	-	1.5	2.4
Attenuation (Reference level from 0dB)				
10 ~ 827.9MHz	dB	35	43	-
853.92 ~ 872MHz	dB	30	42	-
872 ~ 894MHz	dB	20	42	-
943.92 ~ 962.92MHz	dB	30	51	-
988.92 ~ 1200MHz	dB	40	53	-
1200 ~ 2000MHz	dB	25	37	-
Temperature coefficient of frequency	ppm/k	-	-36	-

C. MEASUREMENT CIRCUIT:

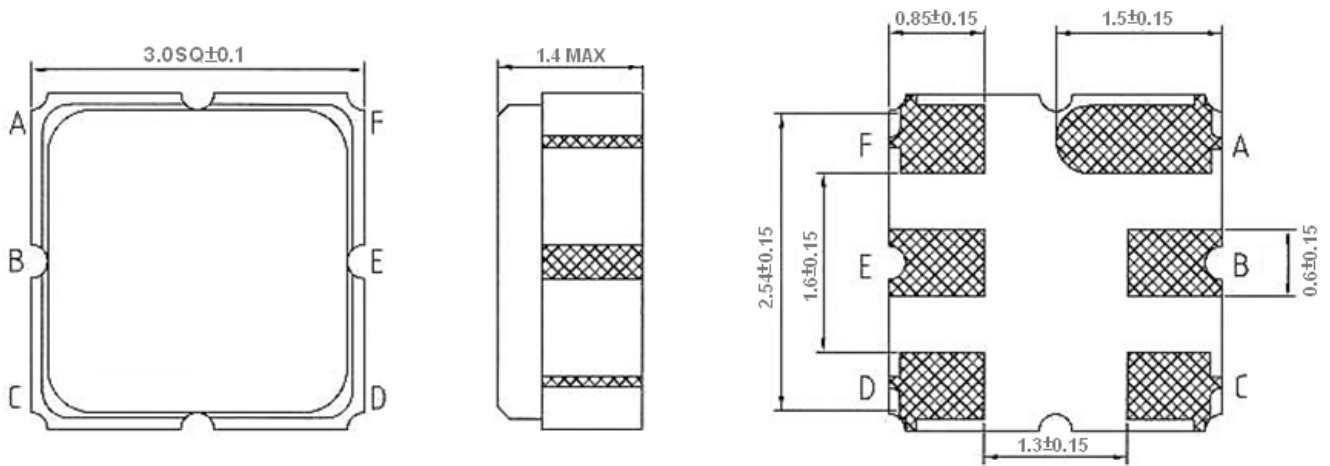
HP Network analyzer



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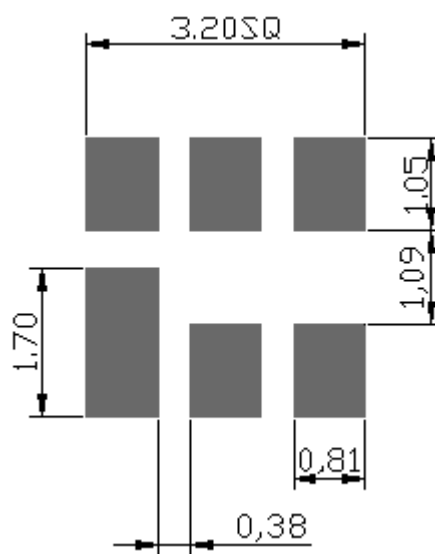
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D. OUTLINE DRAWING:



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

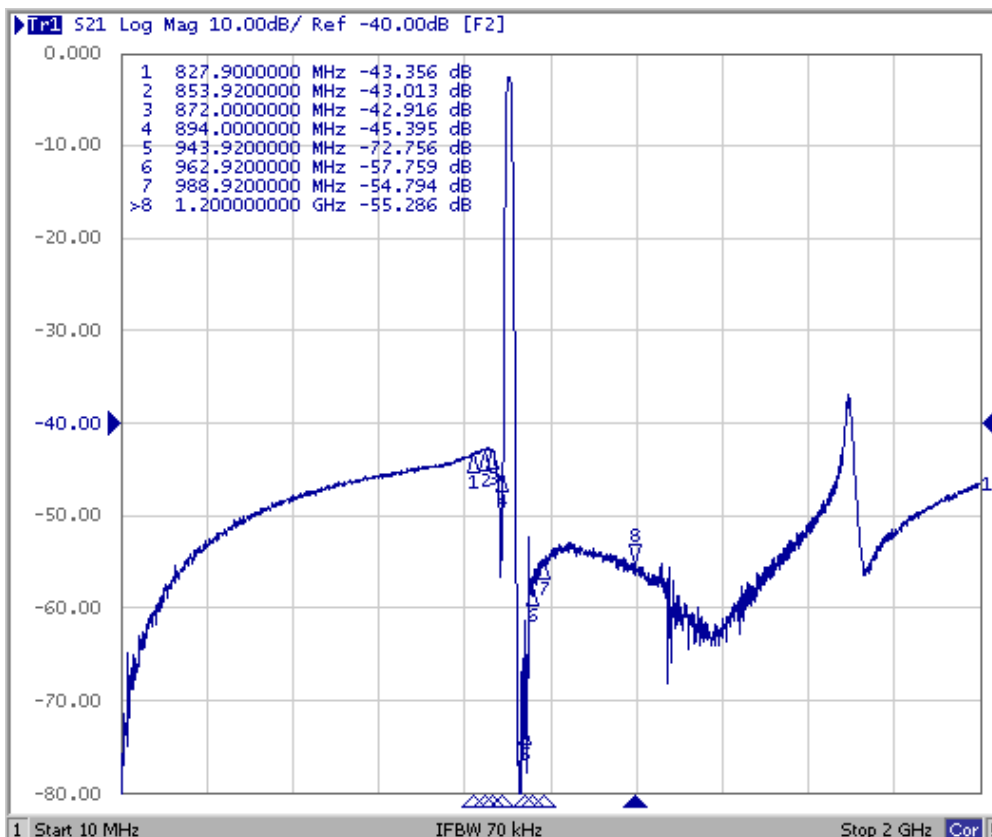
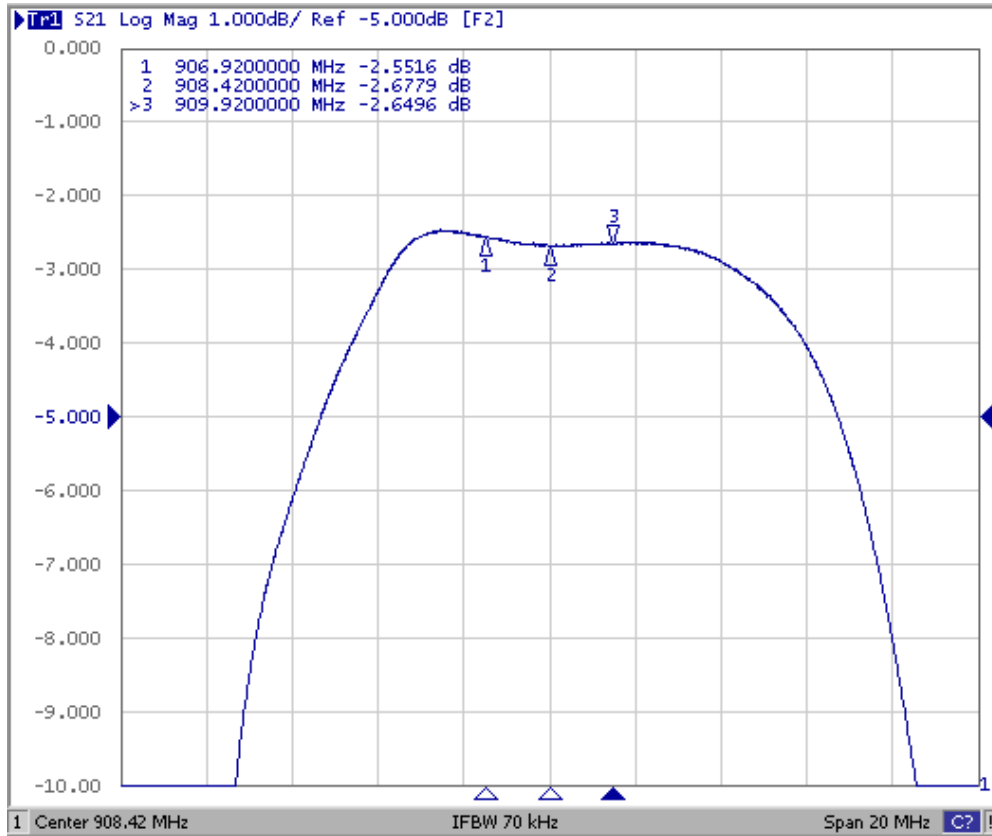
E. PCB FOOTPRINT:



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F. FREQUENCY CHARACTERISTICS:

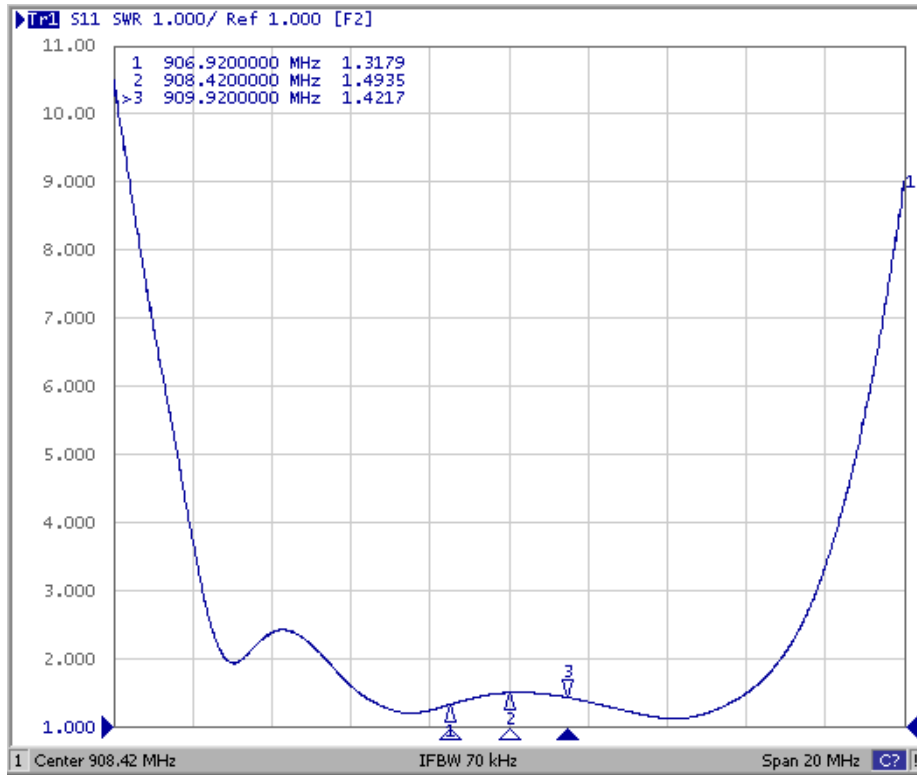


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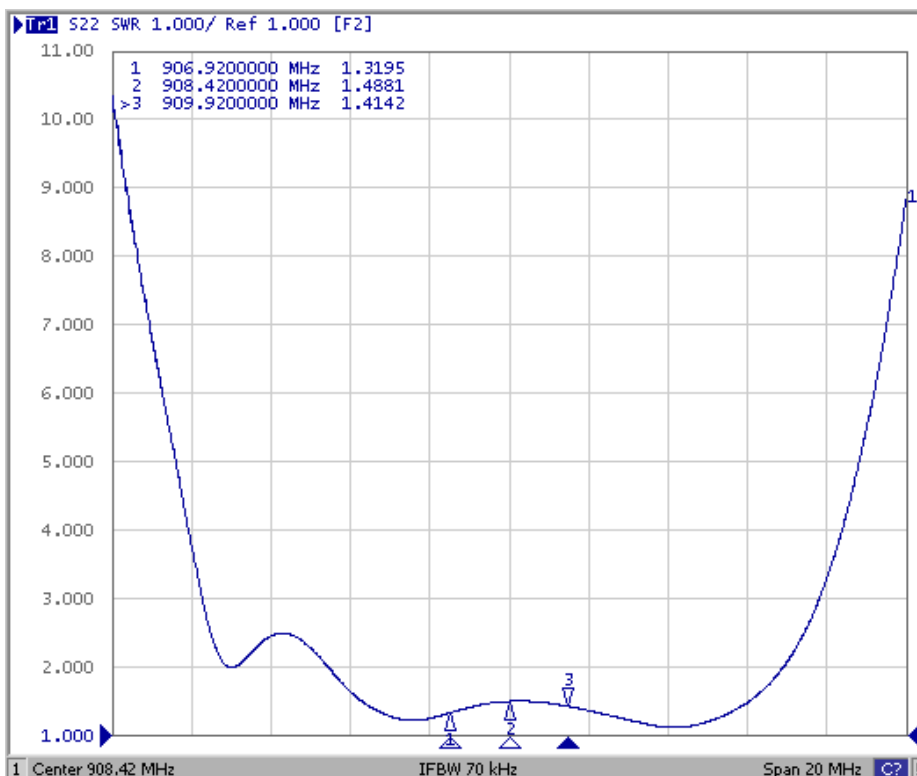
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Reflection Functions

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

