

SAW Filter 881.50

Model: TA0166A

Part No: MP08153

Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

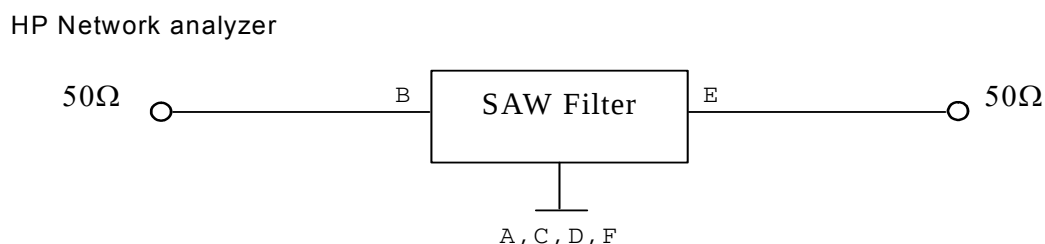
1. Input Power Level: 10dBm
2. DC voltage: 0V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

Characteristics	Min.	Typ.	Max.
Center frequency Fc (dB)	-	881.5	-
Insertion loss within 869 ~ 894MHz IL (dB)	-	2.2	3.0
Amplitude ripple (p-p) within 869 ~ 894MHz (dB)	-	0.9	2.0
Attenuation (Reference level from 0dB)			
10 ~ 800MHz (dB)	20.0	28.0	-
824 ~ 849MHz (dB)	35.0	38.0	-
939 ~ 1088MHz (dB)	28.0	31.0	-
1088 ~ 1119MHz (dB)	28.0	32.0	-
1119 ~ 2600MHz (dB)	20.0	26.0	-
VSWR within 869 ~ 894MHz	-	1.7	2.2
Source impedance Z _S (Ω)	-	50	-
Load impedance Z _L (Ω)	-	50	-

Note: No matching network required for operation at 50Ω

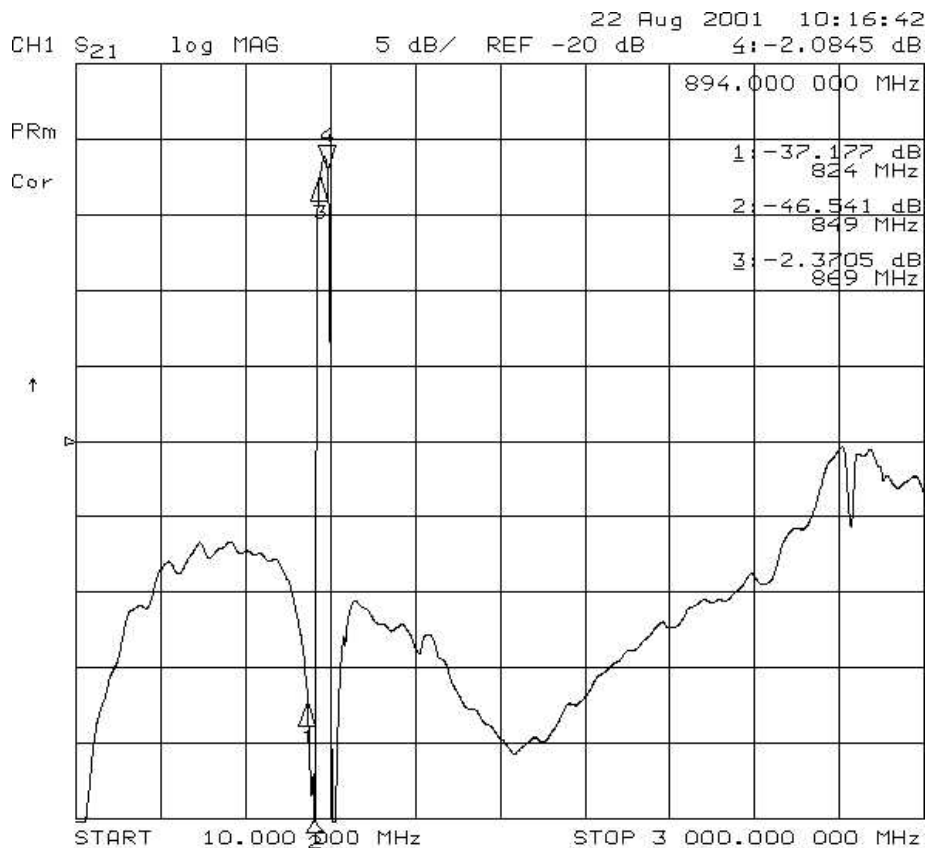
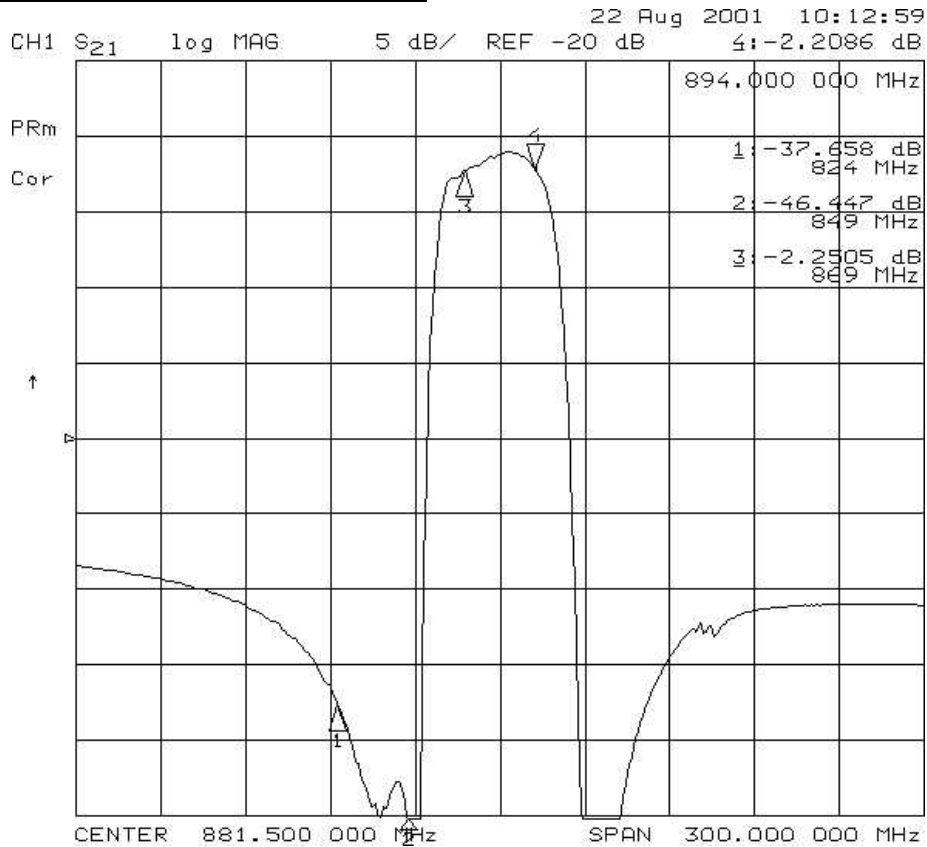
C. MEASUREMENT CIRCUIT:



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D. FREQUENCY CHARACTERISTICS:

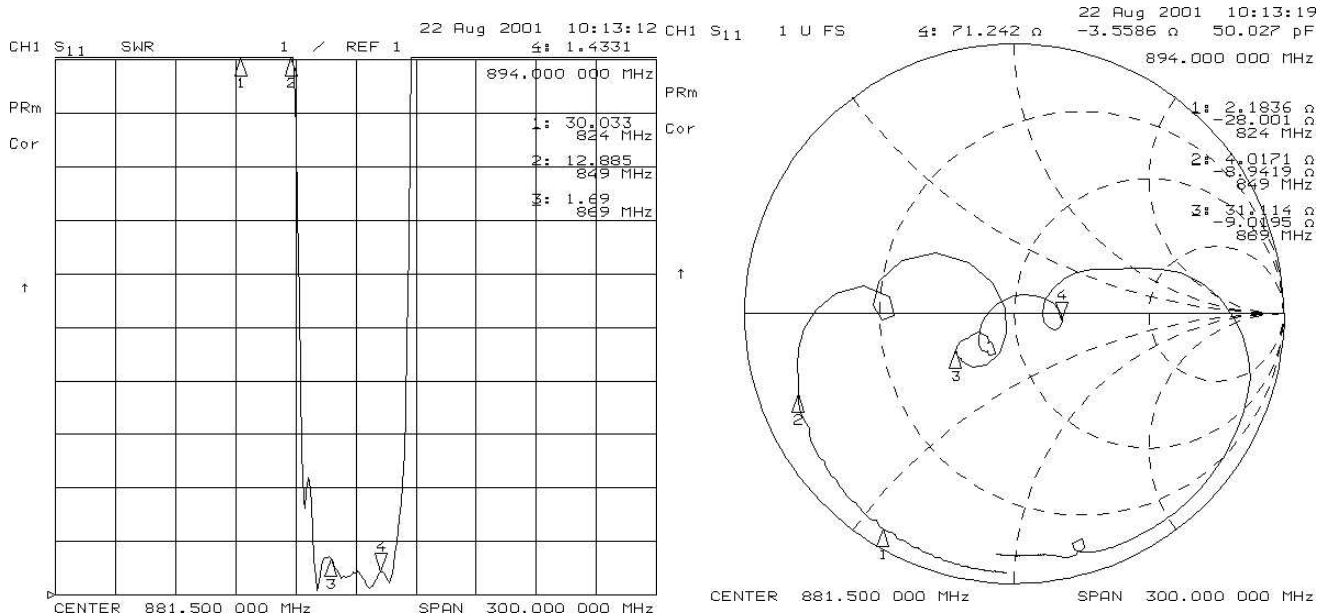


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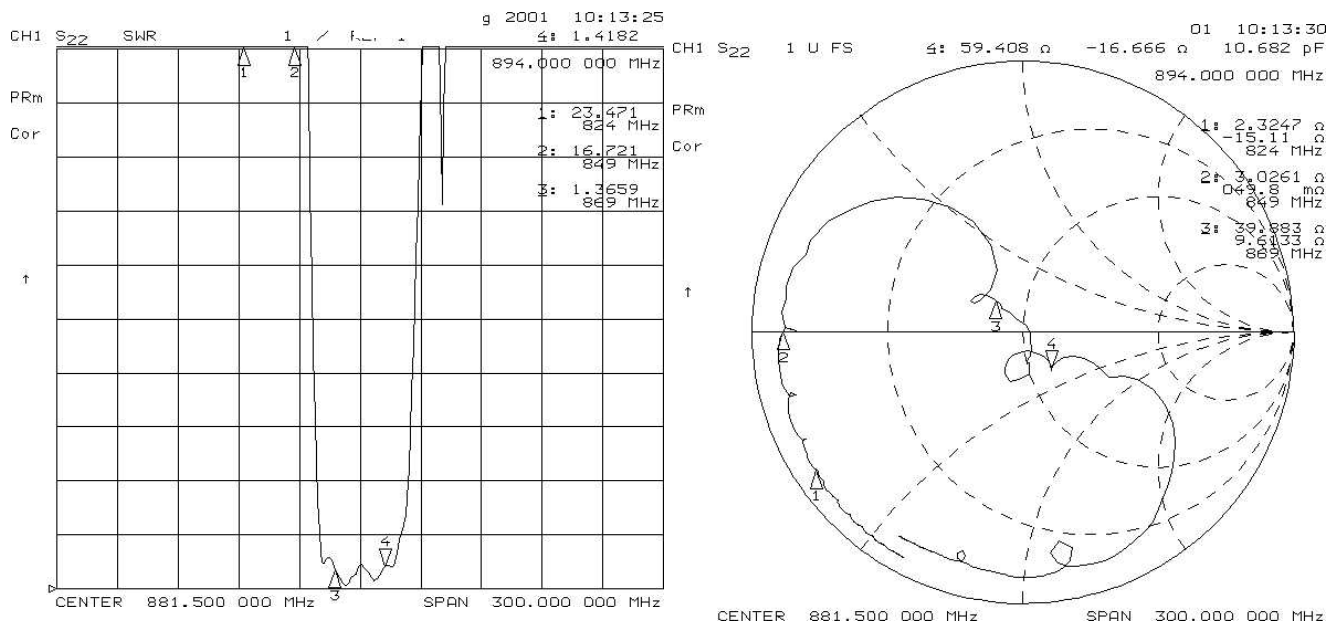
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Reflections Functions

1. S11 VSWR



2. S22 VSWR



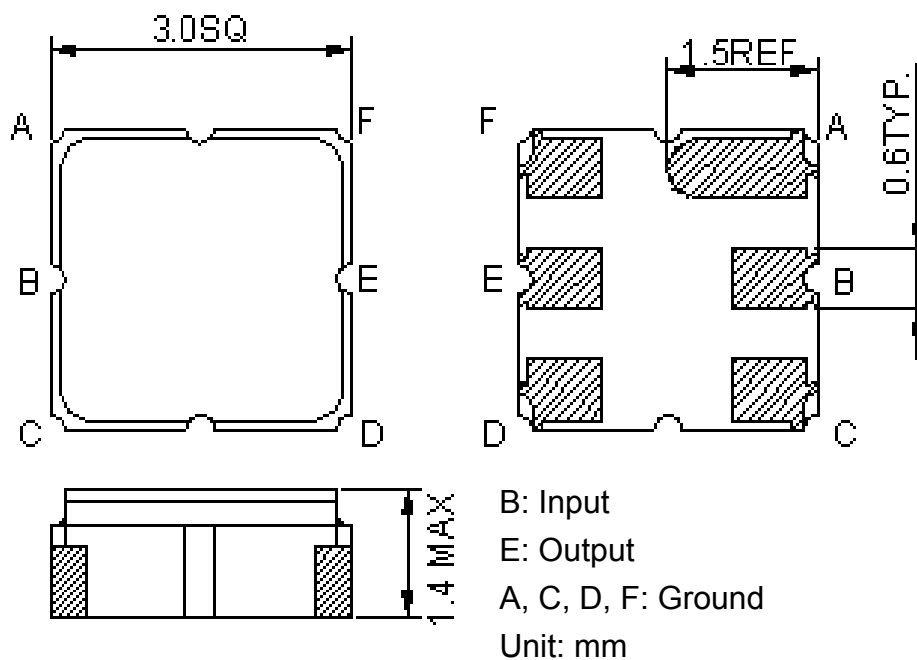
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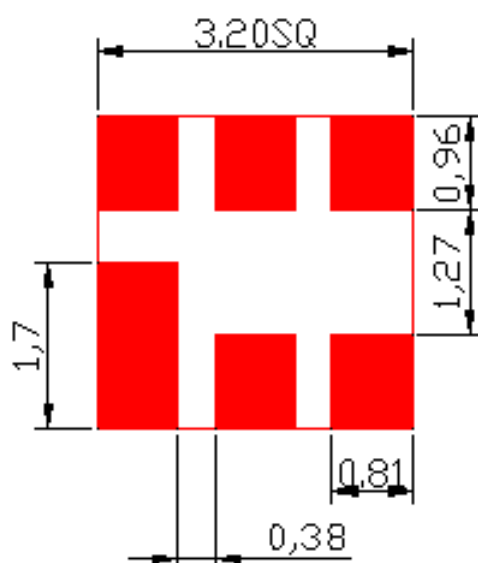
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E. OUTLINE DRAWING:



F. LAND PATTERN:



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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.

