

**SAW Filter 1970MHz**  
**Part No: MP02508**

**Model: TA0827A**  
**Rev No: 1**

**A. MAXIMUM RATING:**

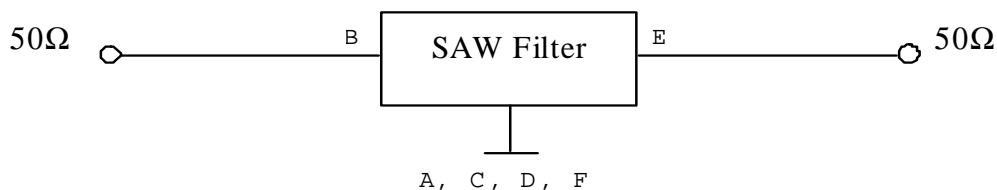
1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -30°C to +80°C
4. Storage Temperature: -40°C to +85°C

**B. ELECTRICAL CHARACTERISTICS:**

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	1970	-	-
Insertion Loss (1960 ~ 1980MHz) IL	dB	-	1.7	3.5	-
Amplitude Ripple (1960 ~ 1980MHz)	dB	-	0.4	2	-
VSWR (1960 ~ 1980MHz)		-	1.3	2.3	-
Attenuation (Reference level from 0dB)					
DC ~ 500MHz	dB	25	38	-	-
500 ~ 1900MHz	dB	28	35	-	-
2050 ~ 2110MHz	dB	30	45	-	-
2110 ~ 4000MHz	dB	22	30	-	-

**C. MEASUREMENT CIRCUIT:**

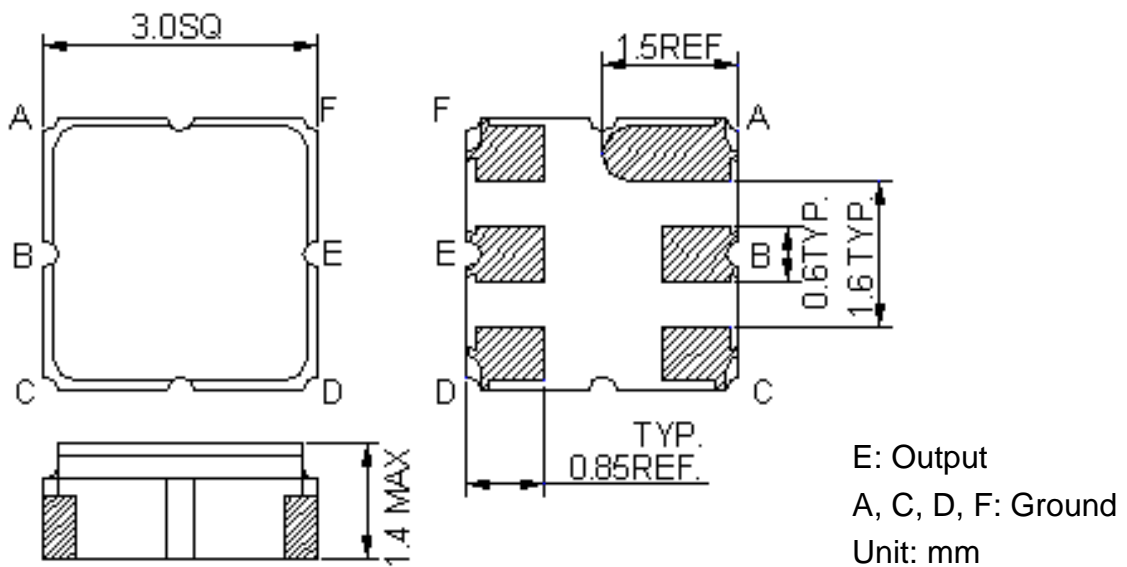
HP Network analyzer



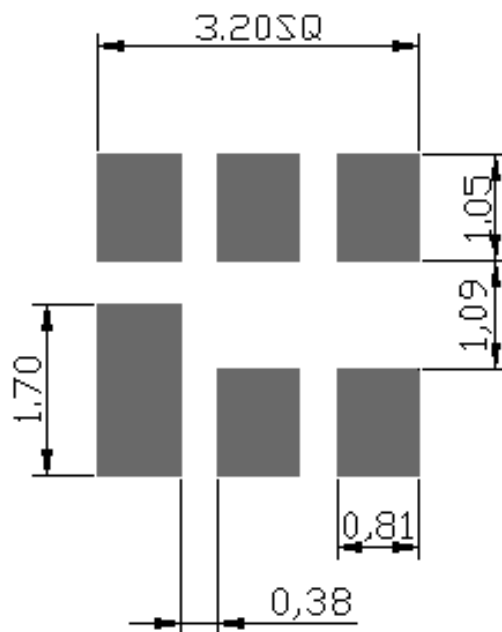
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**D. OUTLINE DRAWING:**



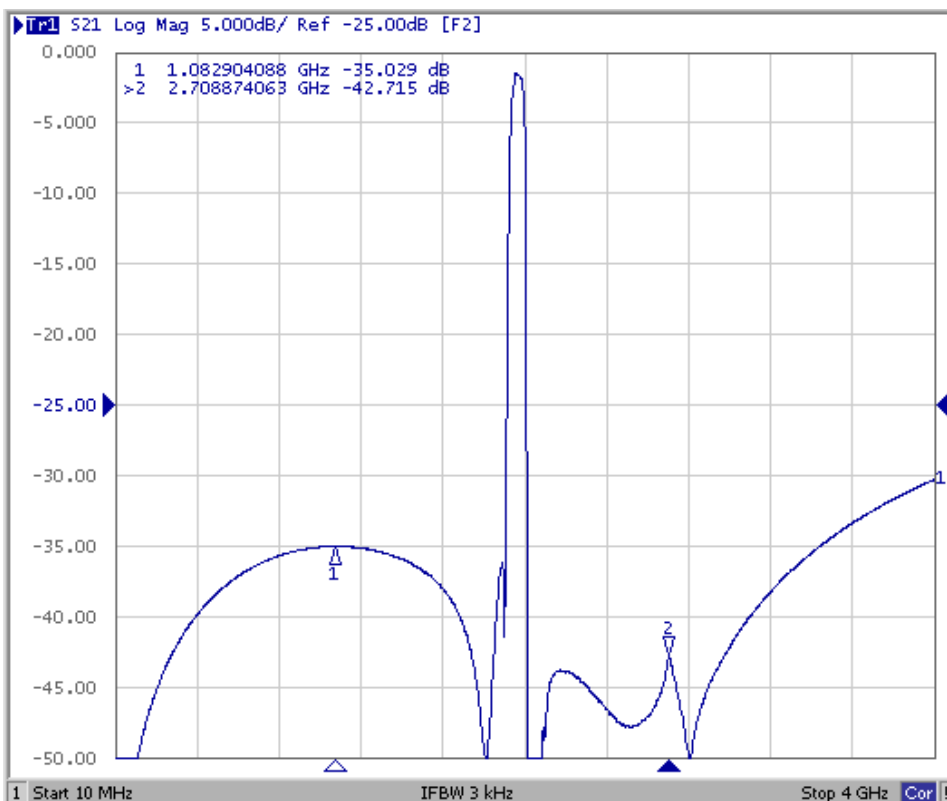
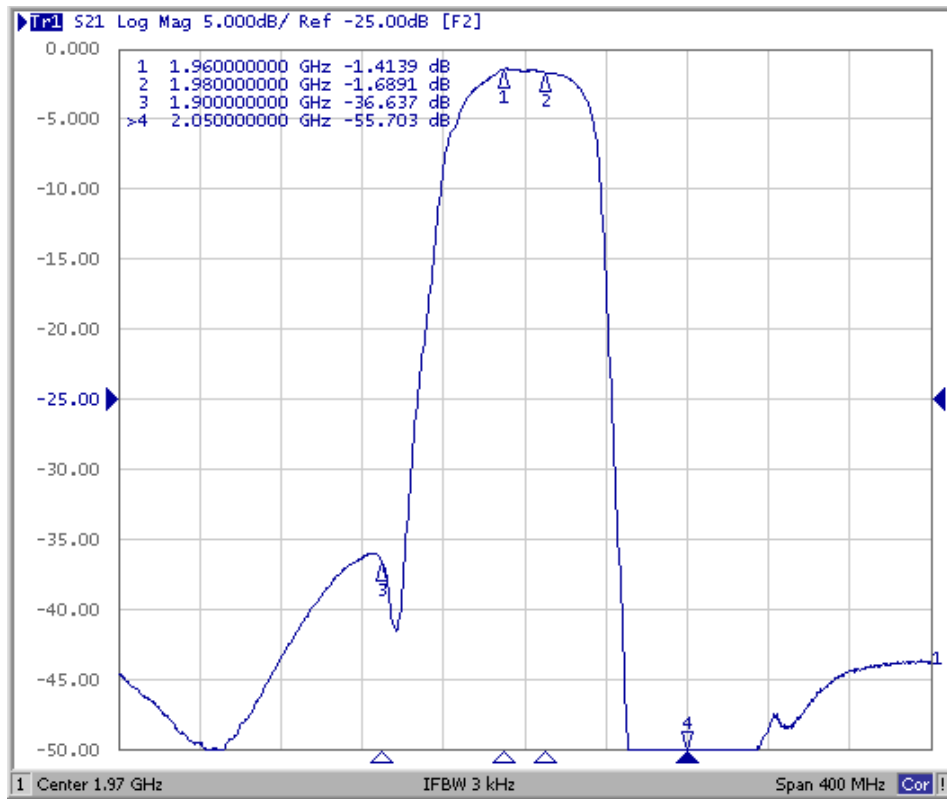
**E. PCB FOOTPRINT:**



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**F. FREQUENCY CHARACTERISTICS:**

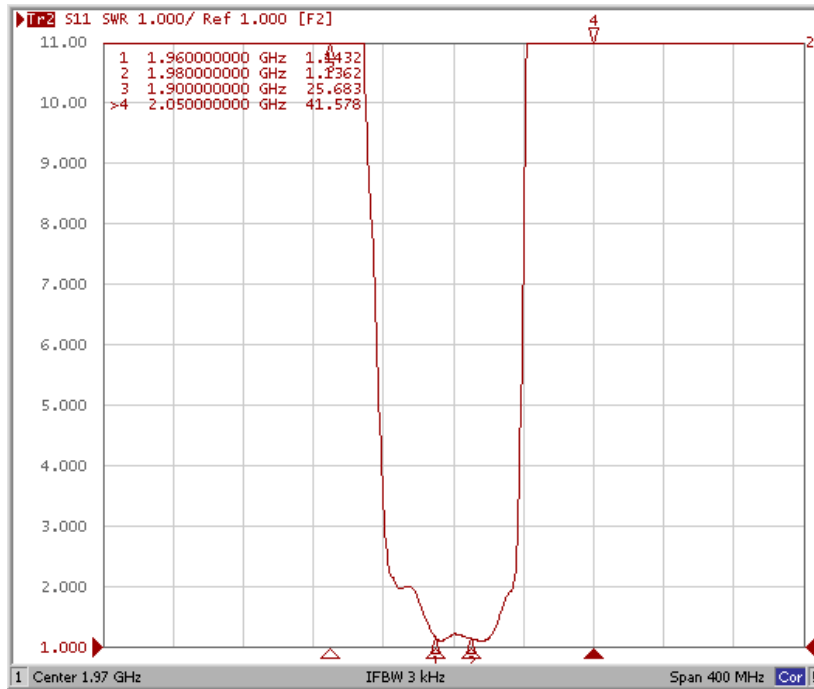


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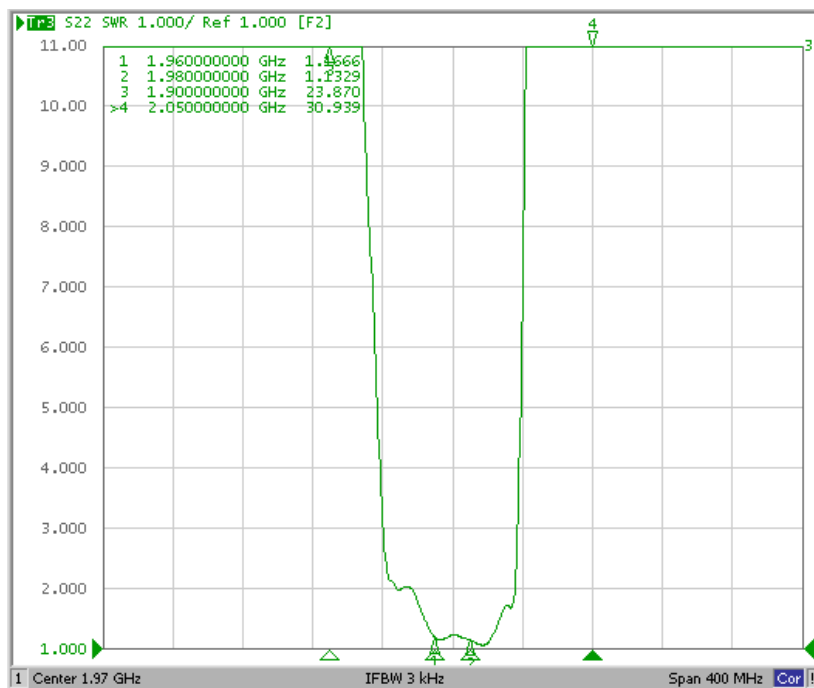
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Reflection Functions

S11



S22





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**H. RECOMMENDED REFLOW PROFILE:**

