

SAW Filter 1970MHz
Part No: MP02508

Model: TA0827A
Rev No: 1

A. MAXIMUM RATING:

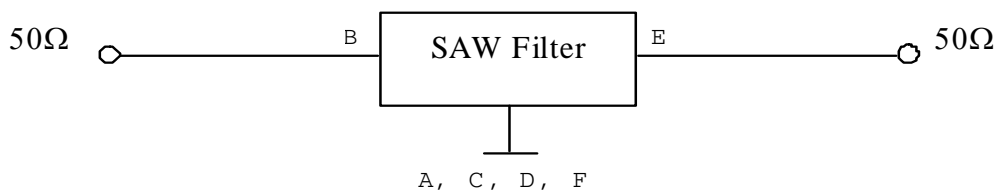
1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -30°C to +80°C
4. Storage Temperature: -40°C to +85°C

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:

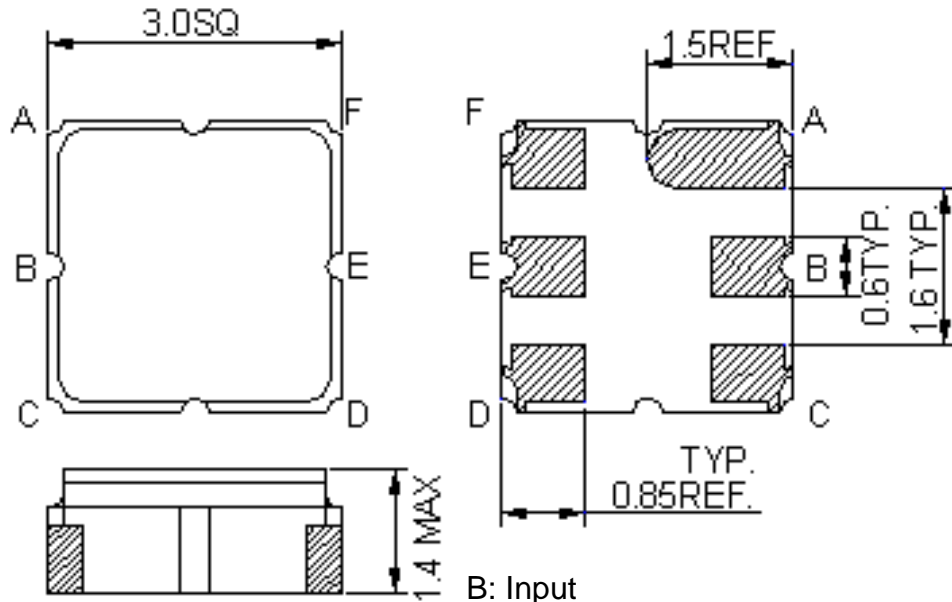
HP Network analyzer



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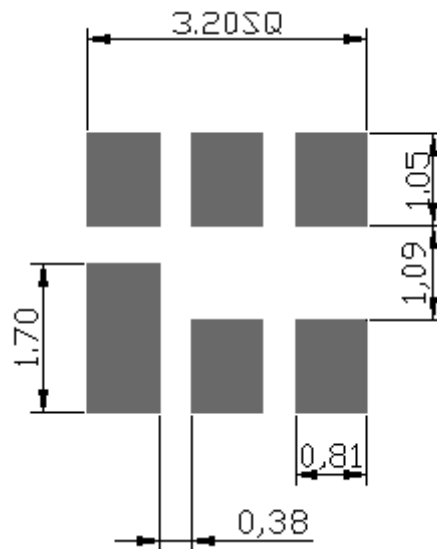
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D. OUTLINE DRAWING:



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

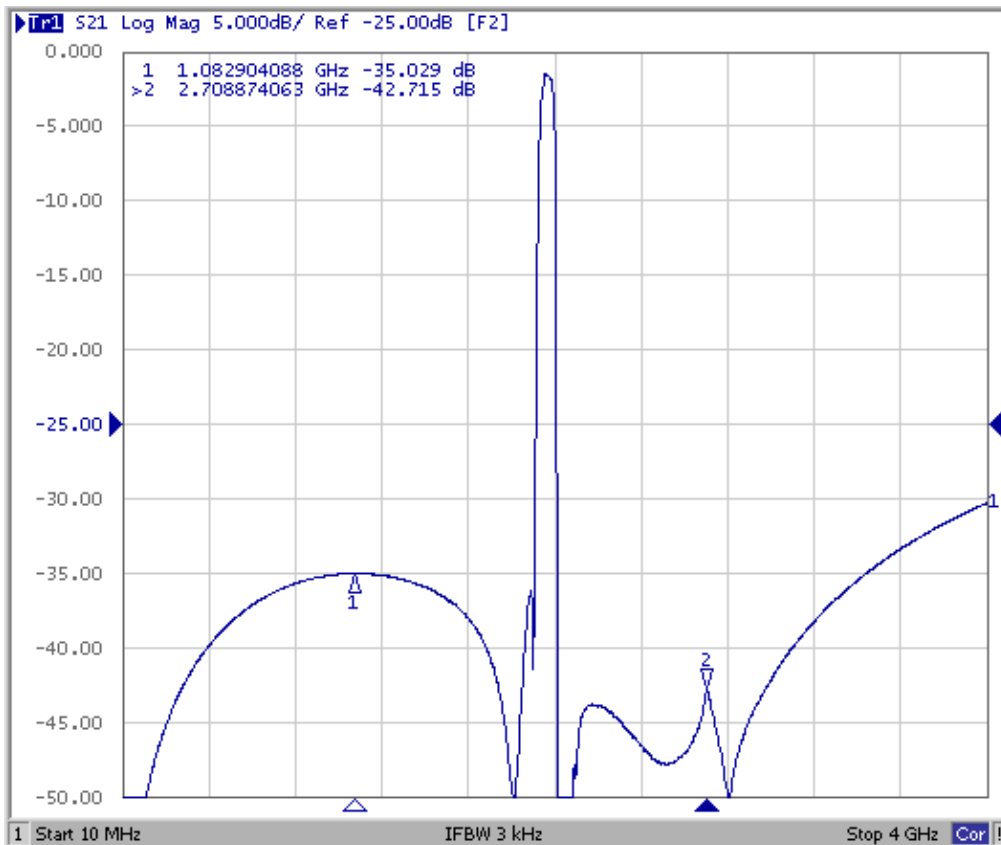
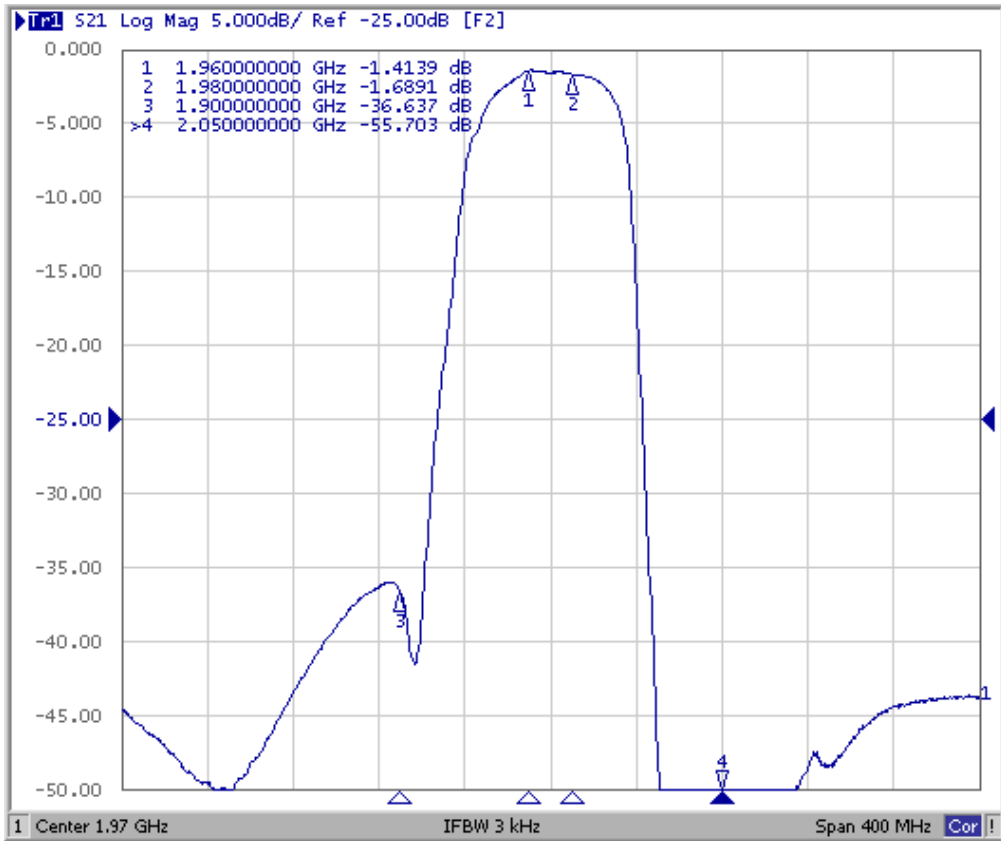
E. PCB FOOTPRINT:



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F. FREQUENCY CHARACTERISTICS:

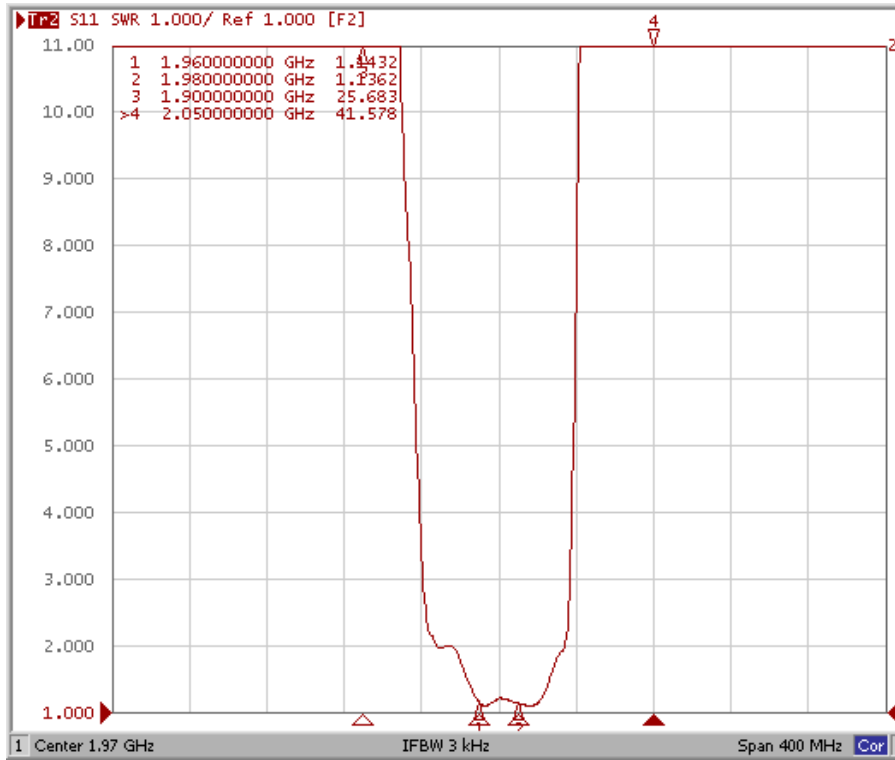


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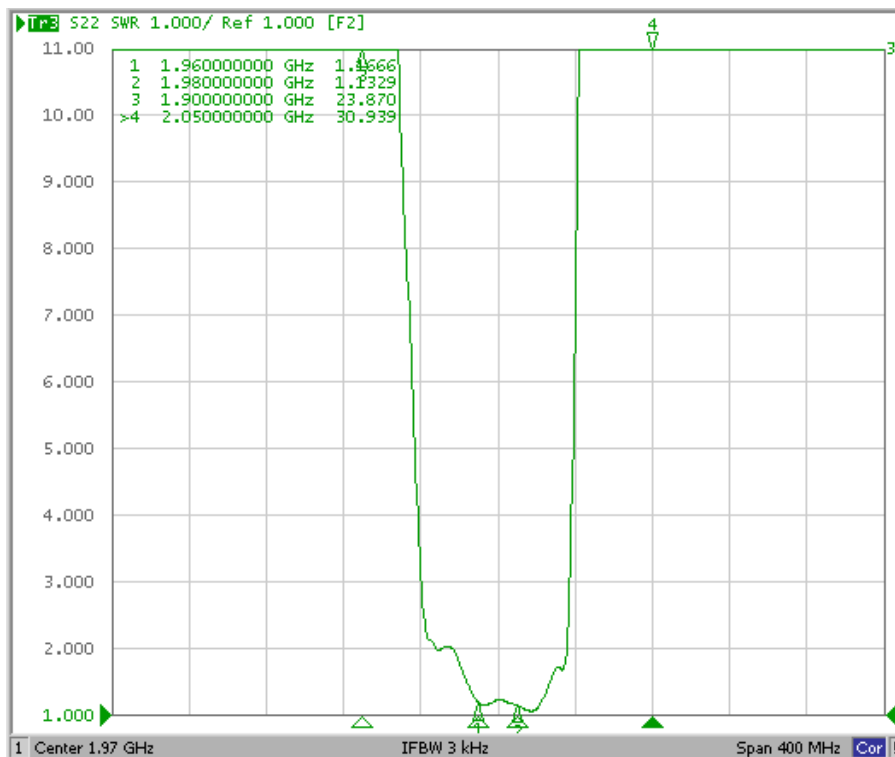
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Reflection Functions

S11



S22

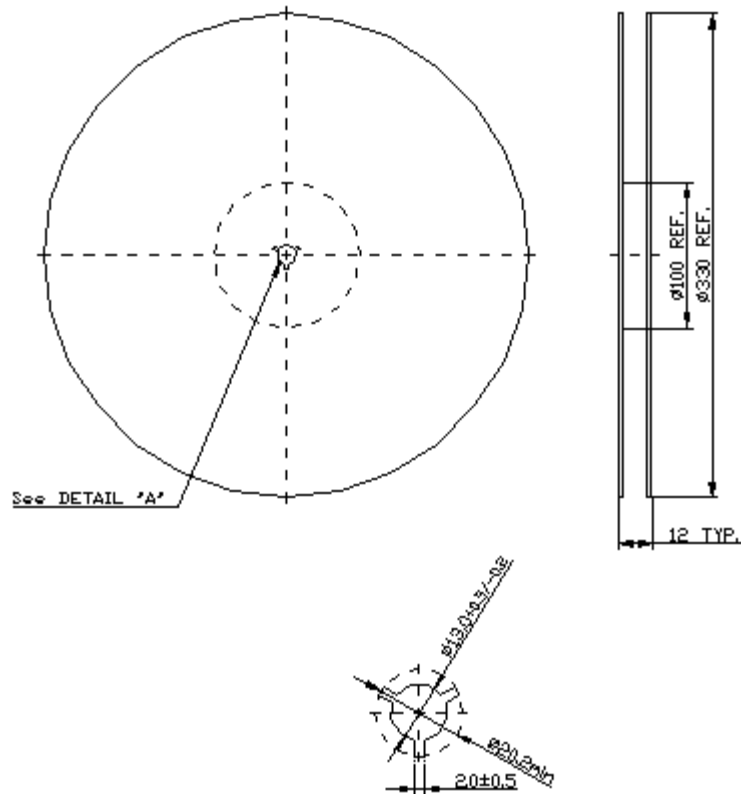


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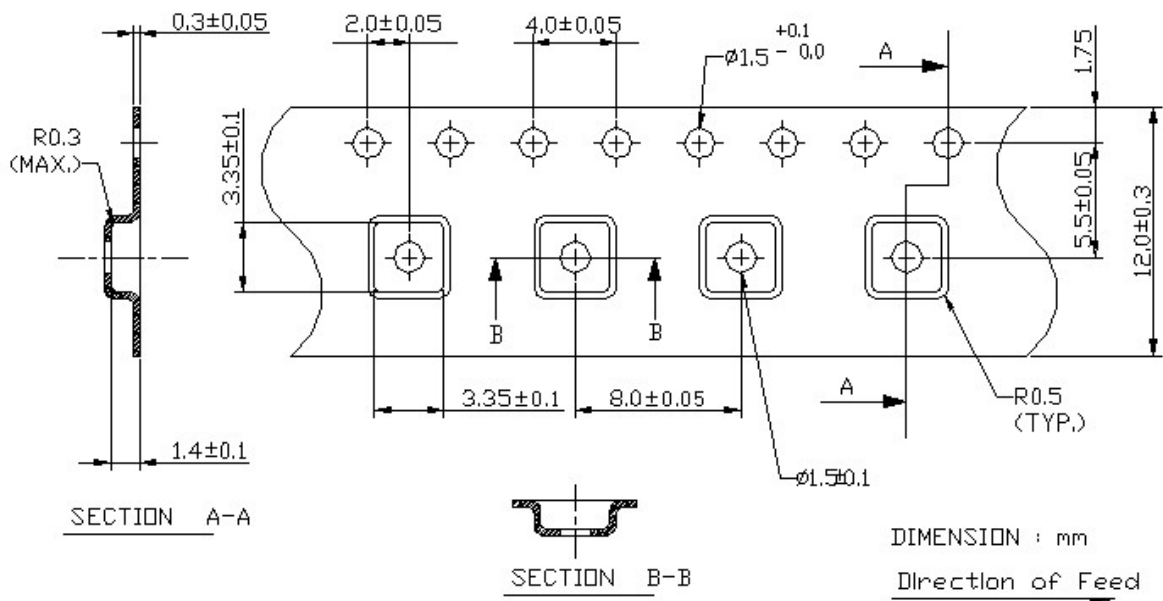
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G. PACKING:

1. Reel Dimension (Reel Count: 7" = 1000; 13" = 3000)



2. Tape Dimension



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H. RECOMMENDED REFLOW PROFILE:

