

SAW Filter 1802.50MHz
Part No: MP08975

Model No: TA1893A
Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

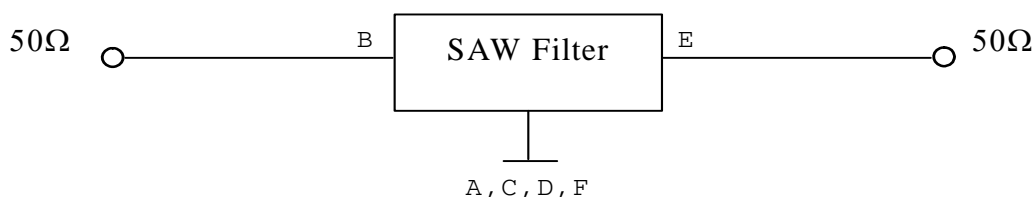
1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center Frequency Fc	MHz	-	1802.5	-
Insertion loss (1755 ~ 1805MHz) IL	dB	-	3.4	4.2
Amplitude ripple (1755 ~ 1805MHz)	dB	-	0.8	1.5
VSWR (1755 ~ 1805MHz)	-	-	1.6	2.4
Attenuation (Reference level from 0dB)				
50 ~ 1380MHz	dB	25	30	-
1380 ~ 1660MHz	dB	20	29	-
1960 ~ 3000MHz	dB	25	33	-
Temperature coefficient of frequency	ppm/k	-	-80	-

C. MEASUREMENT CIRCUIT:

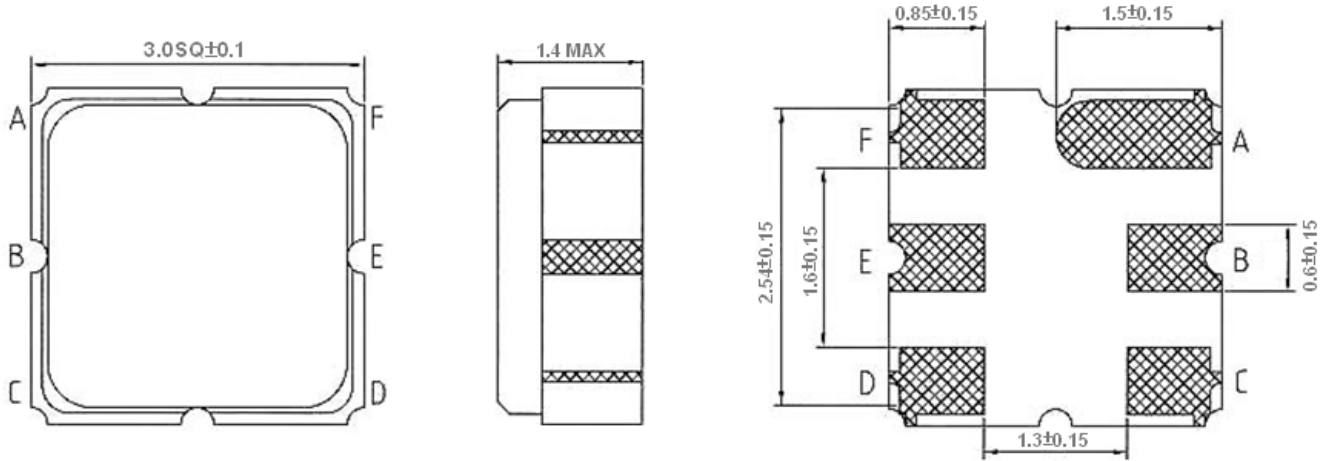
HP Network analyzer



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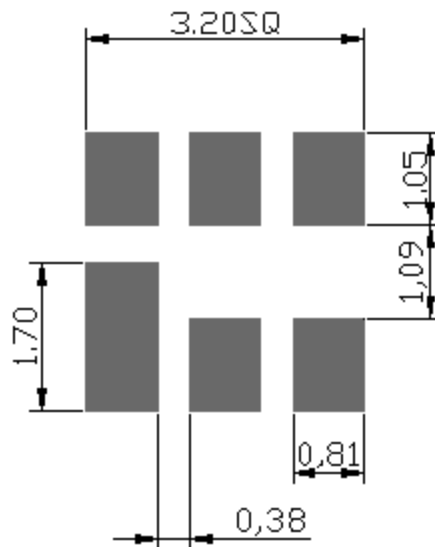
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D. OUTLINE DRAWING:



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

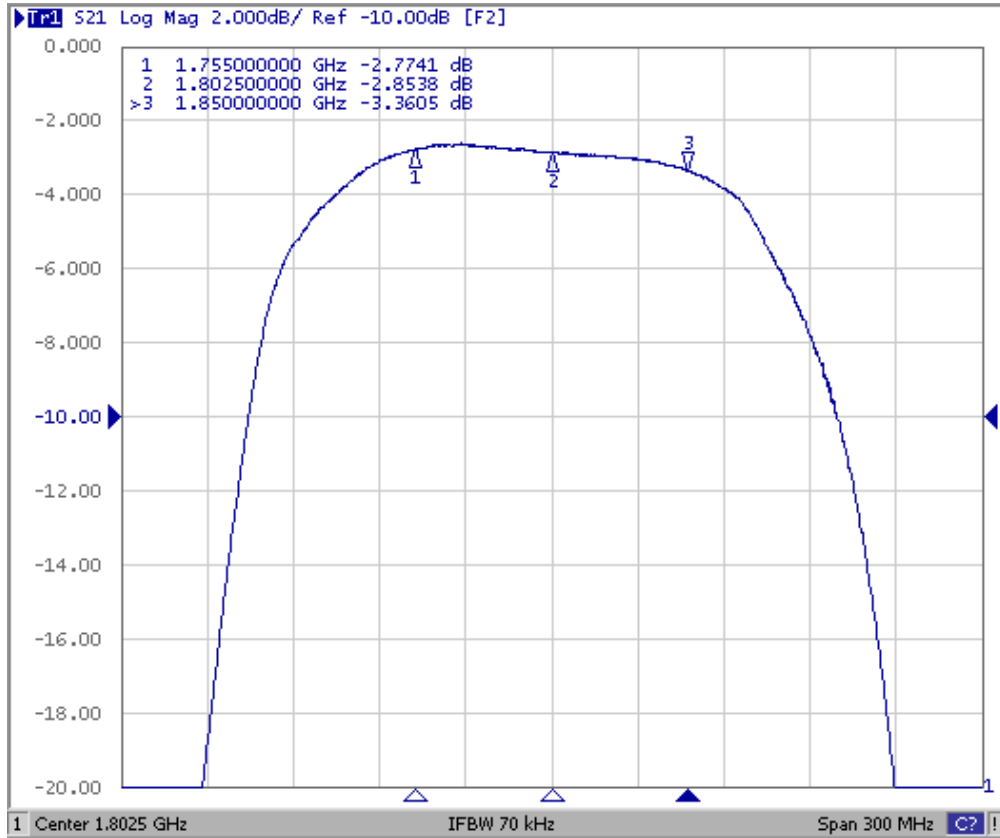
E. PCB FOOTPRINT:



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F. FREQUENCY CHARACTERISTICS:

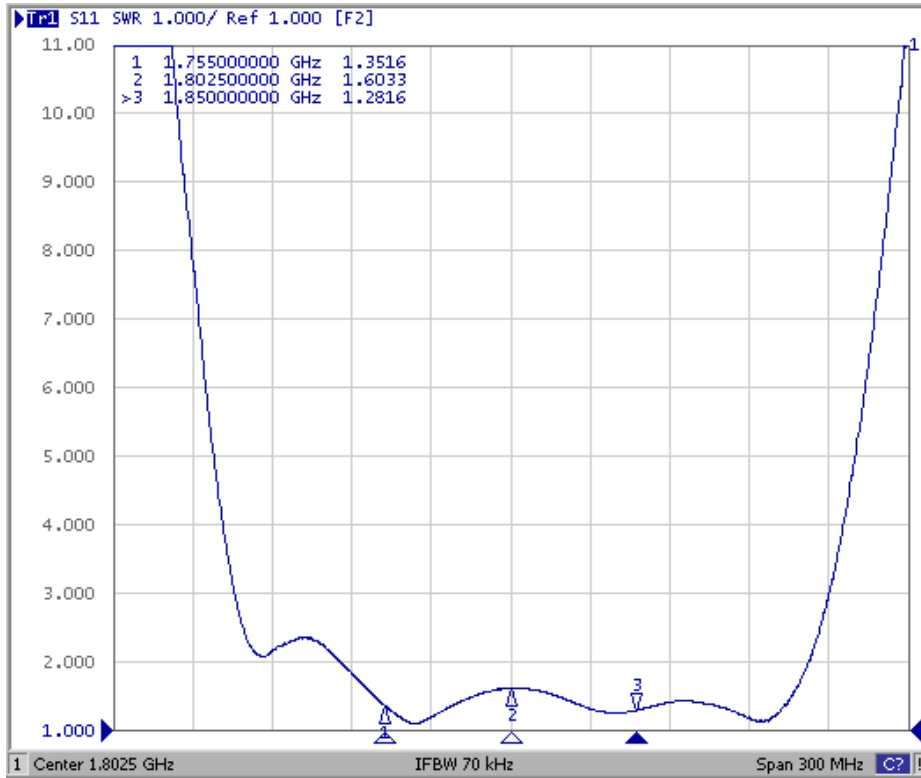


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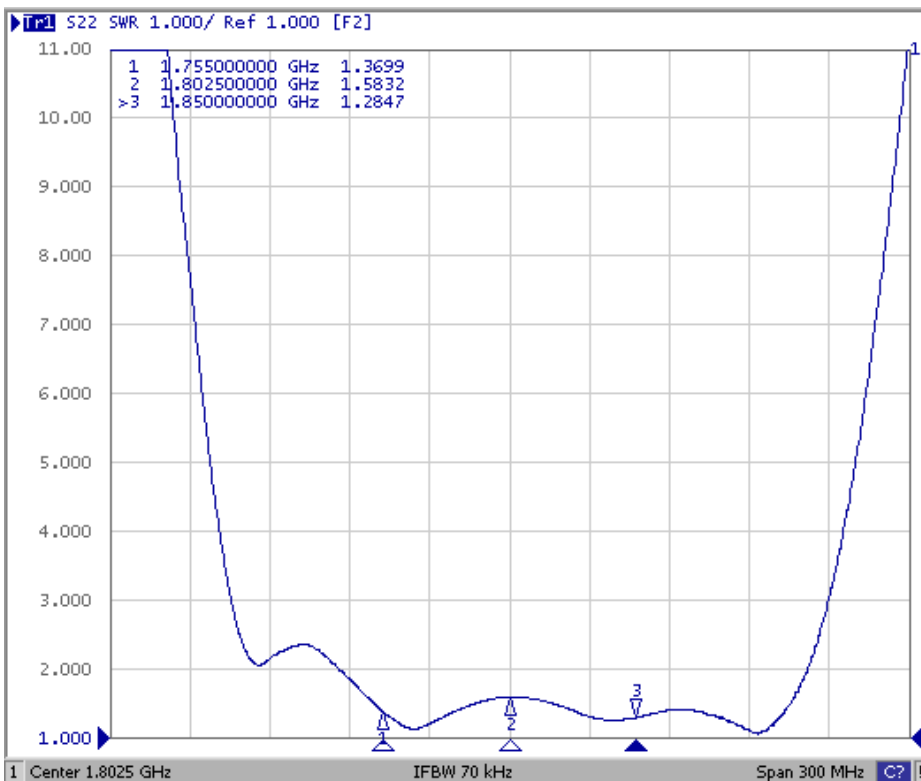
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Reflection Functions

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.

