

SAW Filter 1747.50MHz
Part No: MP08796

Model: TA0391C
Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

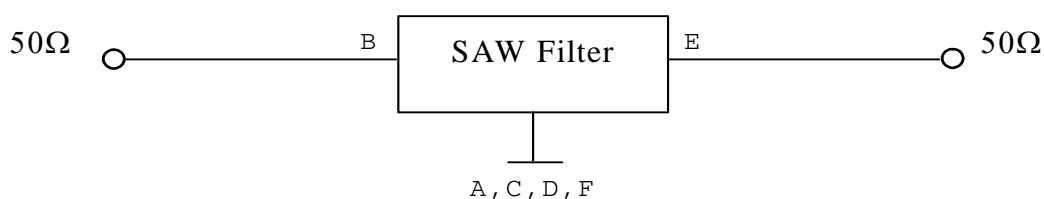
1. Input Power Level: 5dBm
2. DC Voltage: 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitivity Level: Level 1 (MSL1)

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center Frequency Fc	MHz	-	1747.5	-
Insertion Loss (1710 ~ 1785MHz) IL	dB	-	2.3	4.5
Amplitude Ripple (1710 ~ 1785MHz)	dB p-p	-	1.1	3.0
VSWR (1710 ~ 1785MHz)	-	-	1.9	2.5
Attenuation (Reference level from 0dB)				
10 ~ 1670MHz	dB	15	20	-
1670 ~ 1690MHz	dB	6	30	-
1805 ~ 1880MHz	dB	6	18	-
1880 ~ 4500MHz	dB	15	21	-
4500 ~ 5000MHz	dB	10	20	-
Temperature coefficient of frequency	ppm/k	-	-36	-

C. MEASUREMENT CIRCUIT:

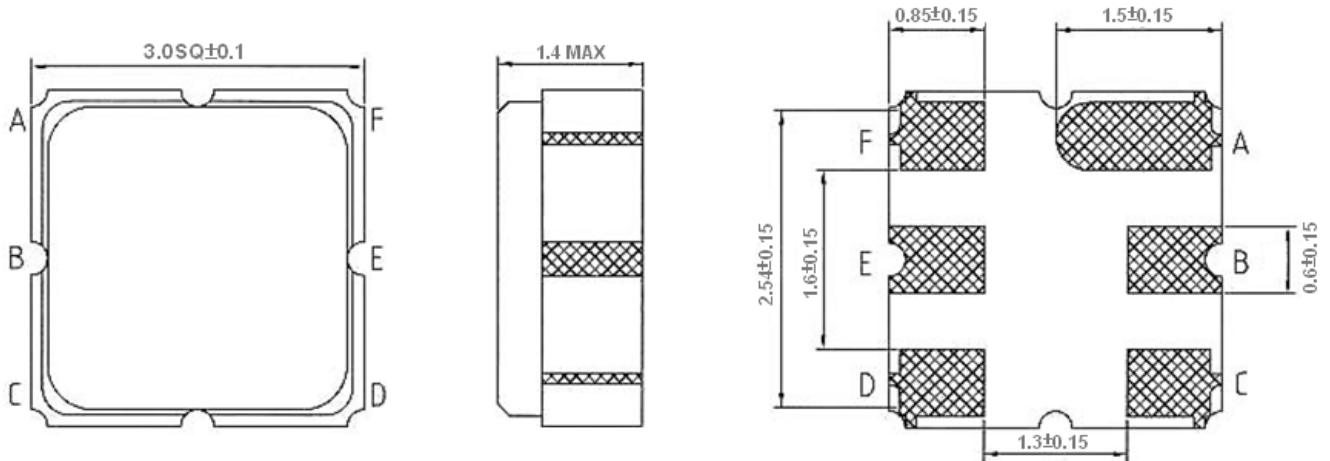
HP Network analyzer



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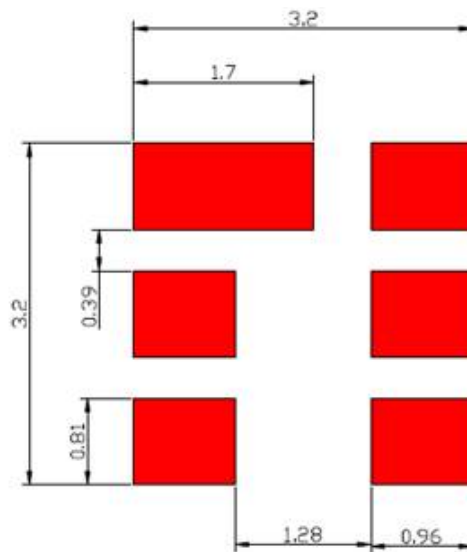
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D. OUTLINE DRAWING:



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

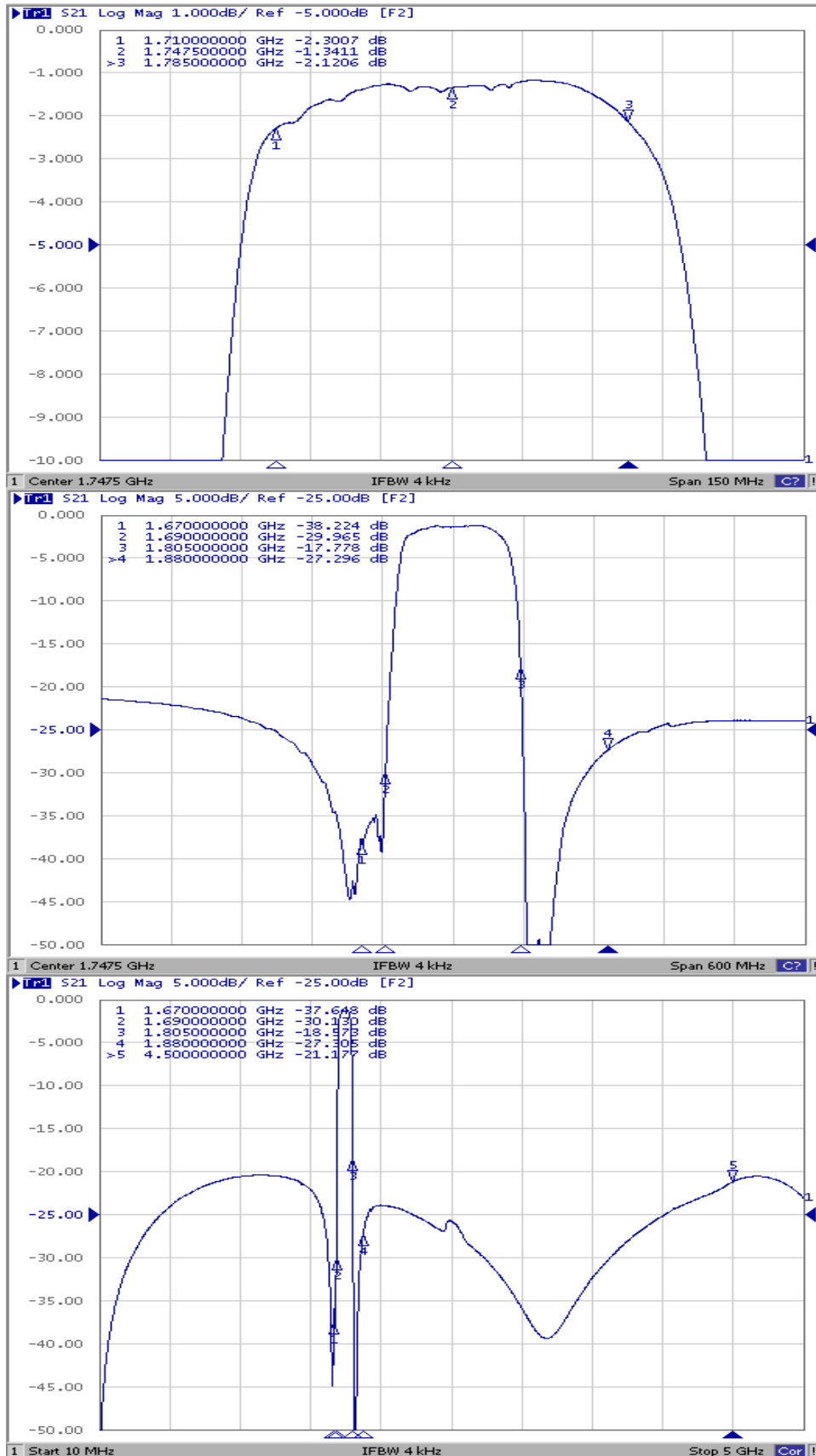
E. PCB FOOTPRINT:



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F. FREQUENCY CHARACTERISTICS:

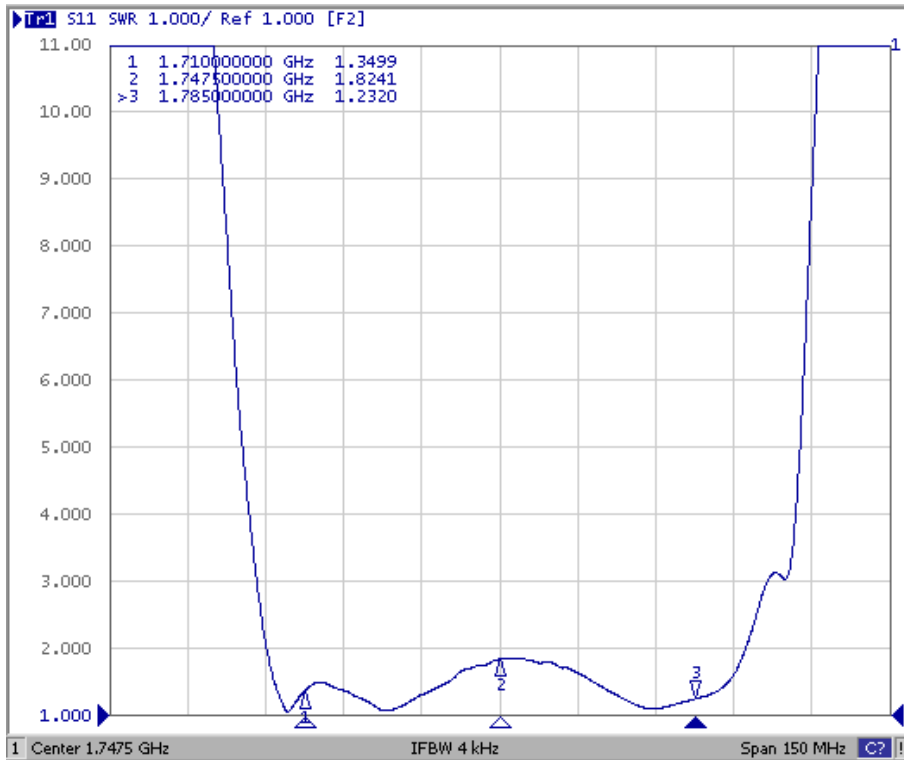


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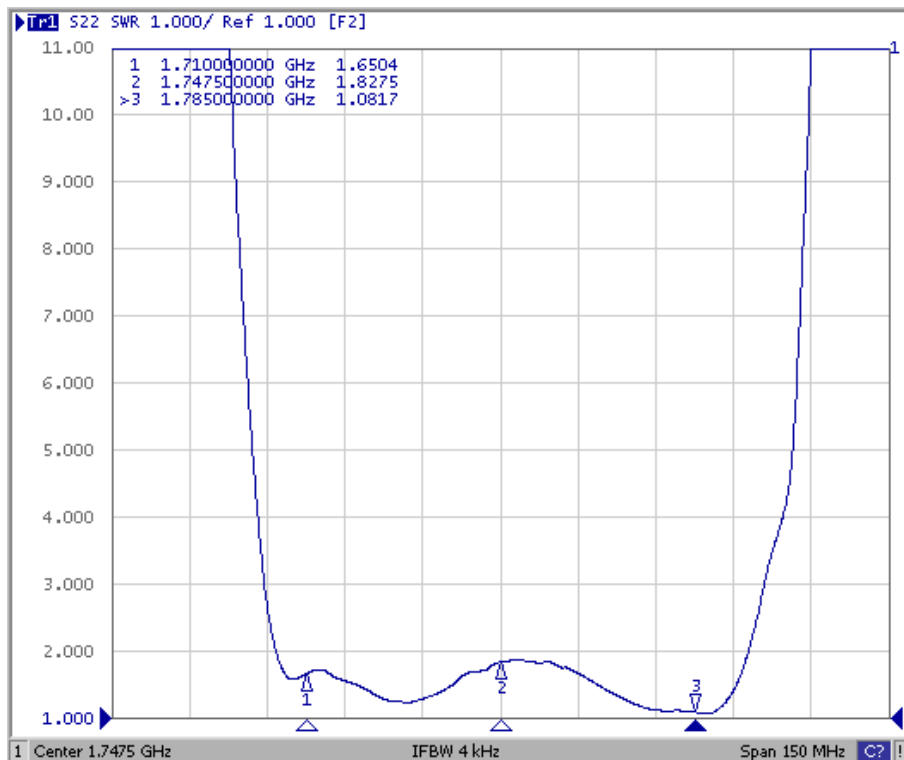
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Reflection Functions

S11



S22

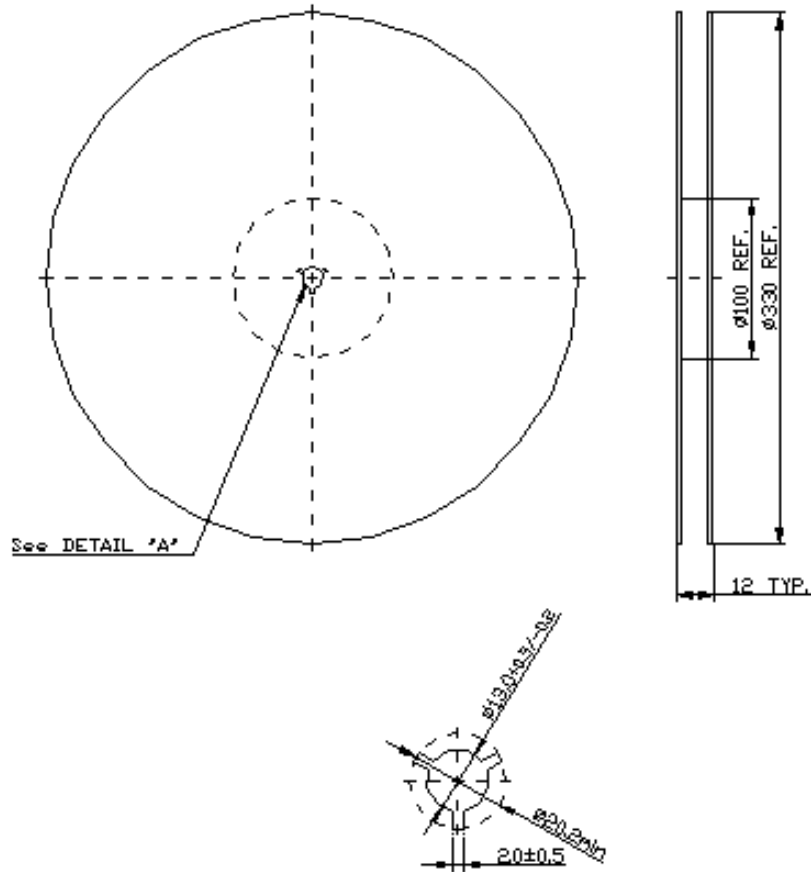


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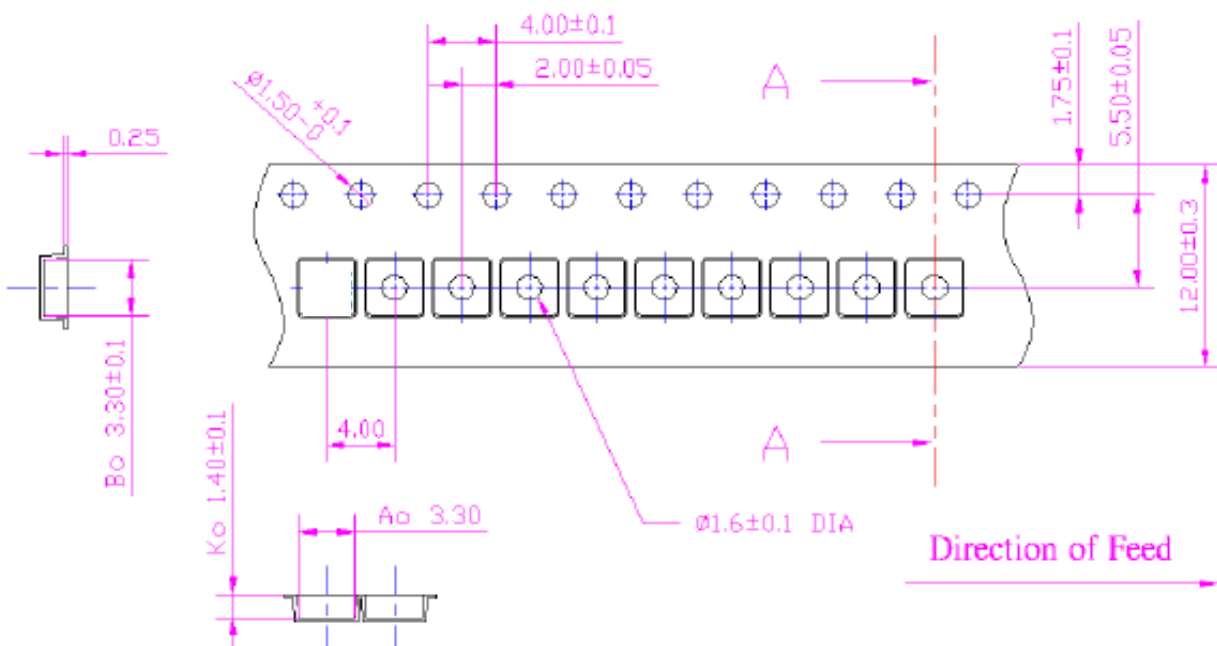
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G. PACKING:

1. Reel Dimension



2. Tape Dimension



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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 260°C +0/-5°C peak (20 ~ 40 sec).
4. Time: 2 times.

