

SAW Filter 604.50MHz

Model: TA1906A

Part No: MP08123

Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

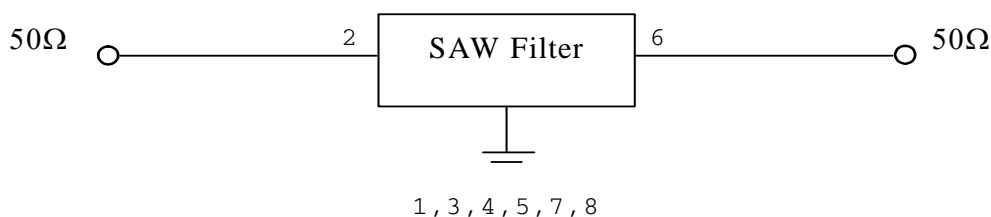
1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: 0°C to +50°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	604.5	-
Insertion Loss at Fc IL	dB	-	2.1	3
Amplitude Ripple (602 ~ 607MHz)	dB	-	0.7	1.5
2dB Bandwidth BW2dB	MHz	5	8.5	-
Group Delay Ripple (602 ~ 607MHz)	ns	-	60	120
VSWR (602~607 MHz)	-	-	1.8	2
Attenuation (Reference level from 0dB)				
DC ~ 530MHz	dB	45	58	-
530 ~ 593MHz	dB	25	46	-
593 ~ 595MHz	dB	18	50	-
615 ~ 900MHz	dB	30	39	-
900 ~ 1300MHz	dB	32	49	-
1300 ~ 2000MHz	dB	3	26	-
Temperature coefficient of frequency	ppm/k	-	-30	-

C. MEASUREMENT CIRCUIT:

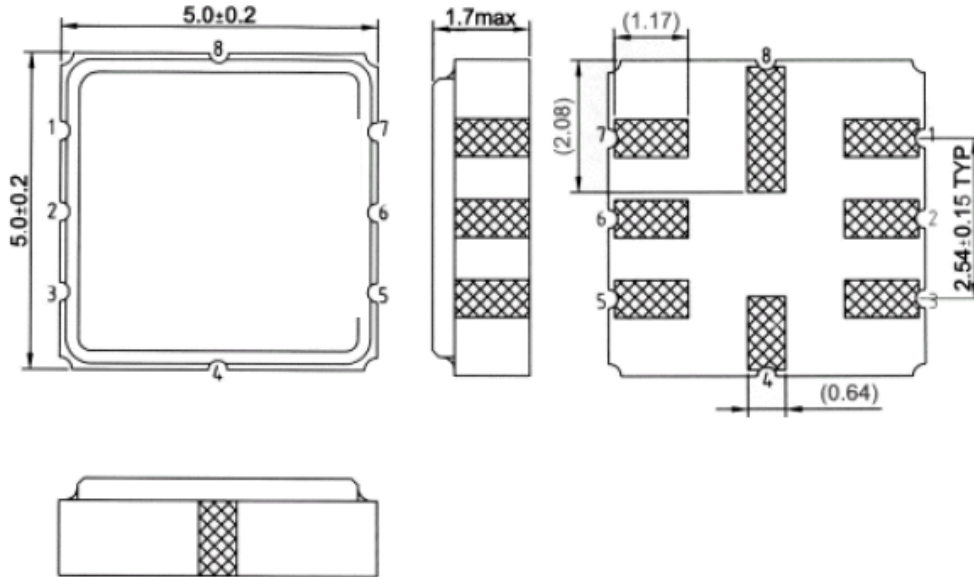
HP Network analyzer



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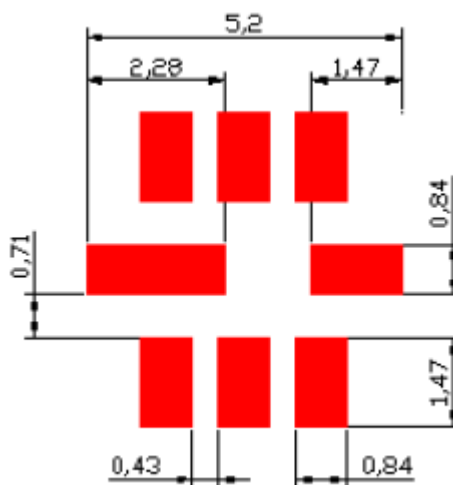
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D. OUTLINE DRAWING:



- #2 : Input
- #6 : Output
- #4 、 8 : Case Ground
- #1 、 3 、 5 、 7 : Ground

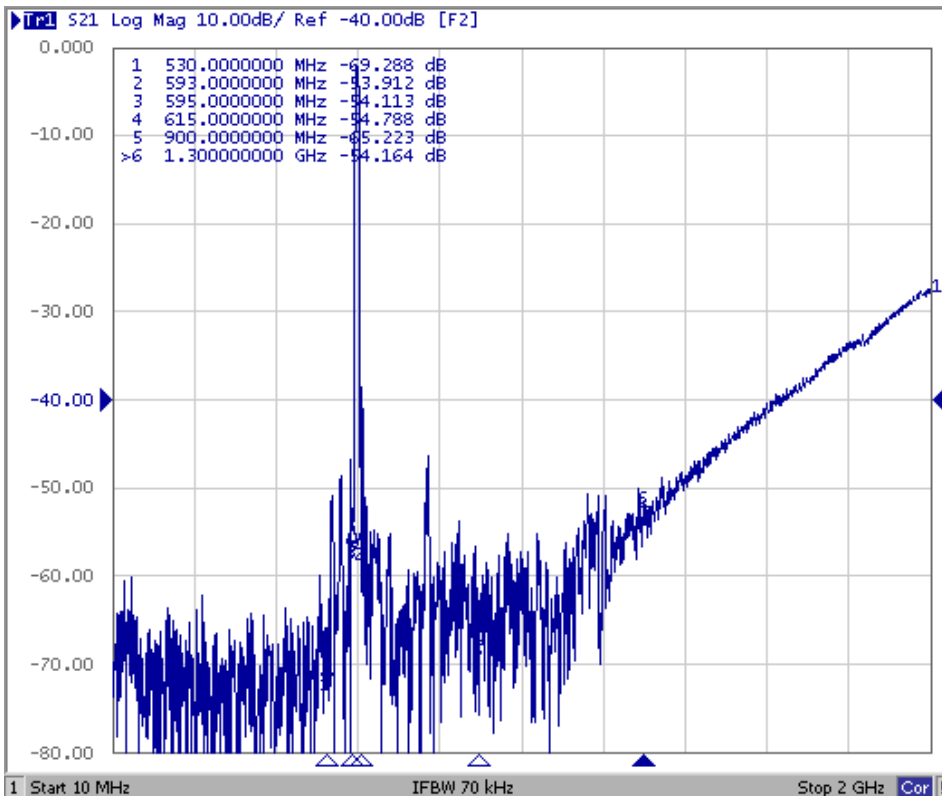
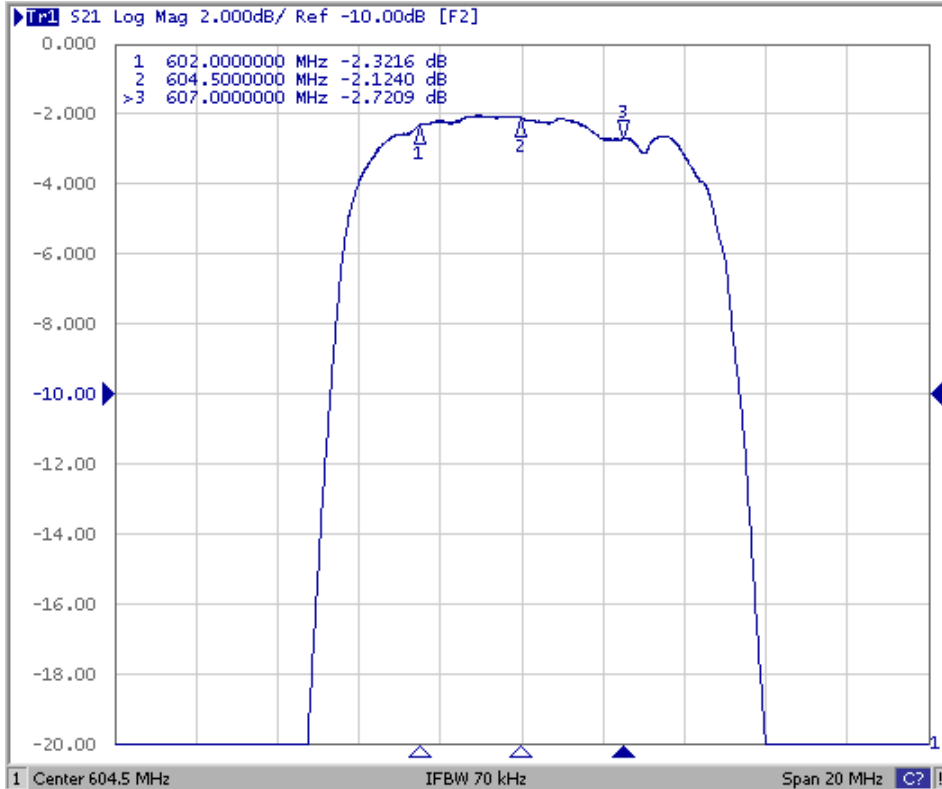
E. PCB FOOTPRINT:



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F. FREQUENCY CHARACTERISTICS:

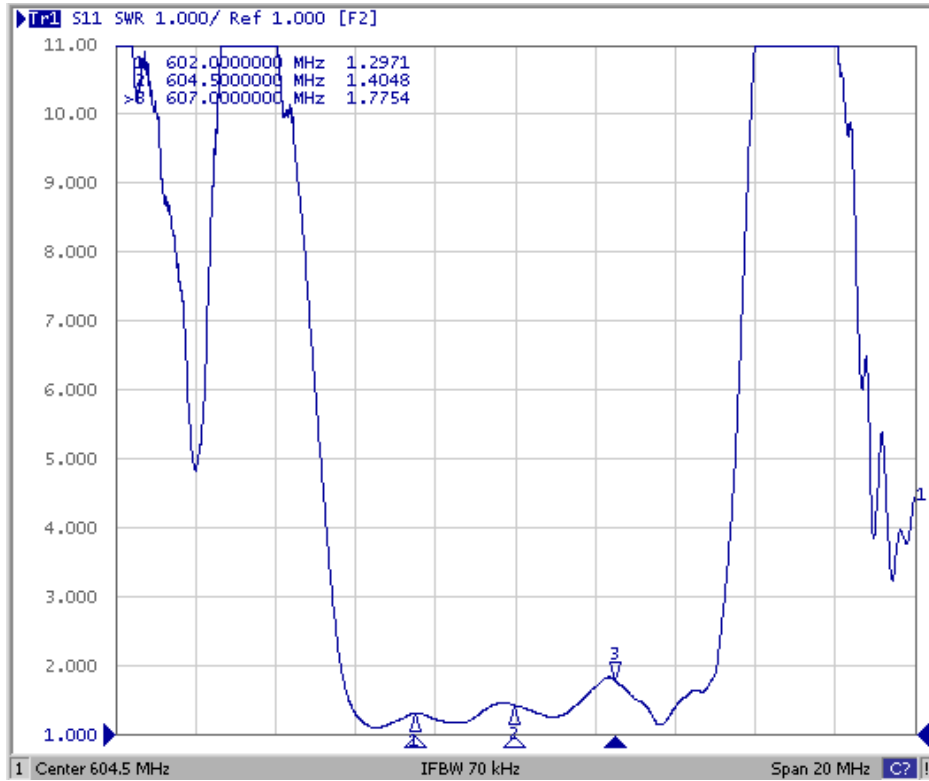


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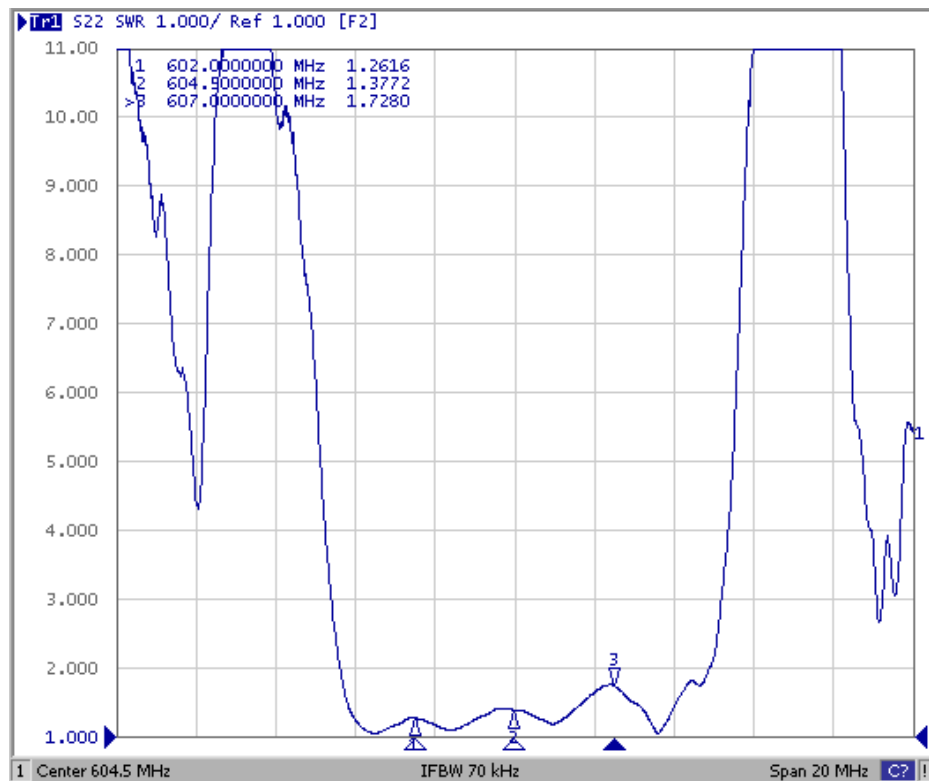
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Reflection Functions

S11



S22

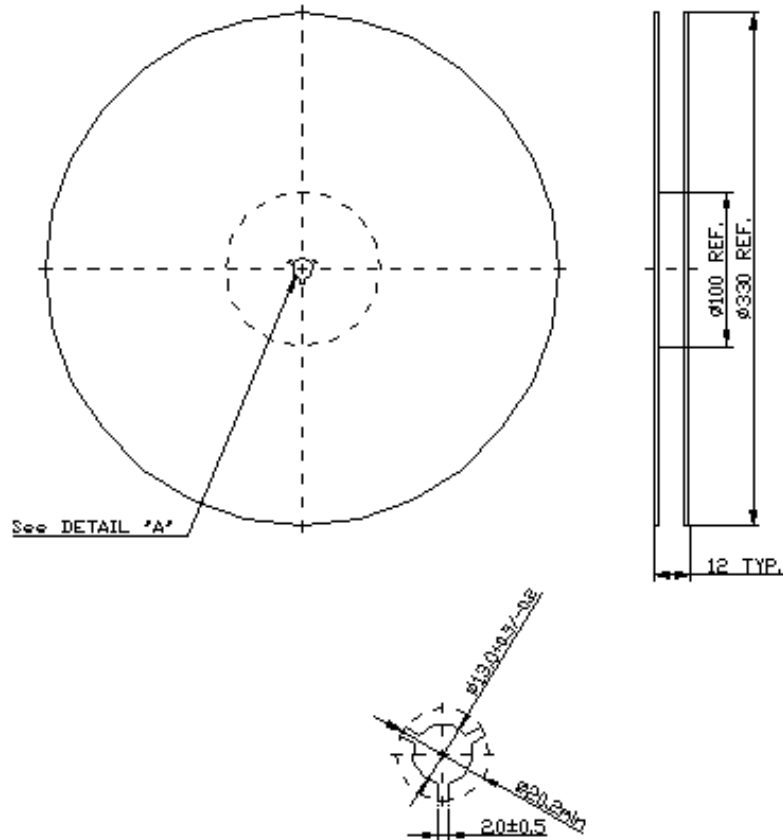


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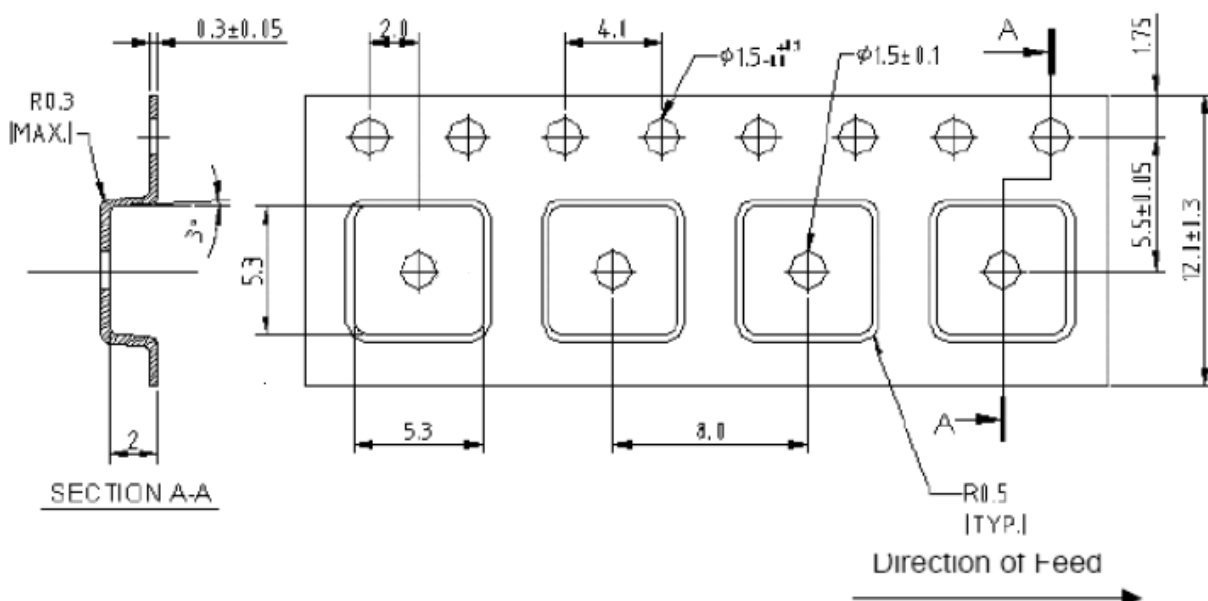
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G. PACKING:

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.

