

SAW Filter 309.0MHz
Part No: MP05533

Model: TA1637A
Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device

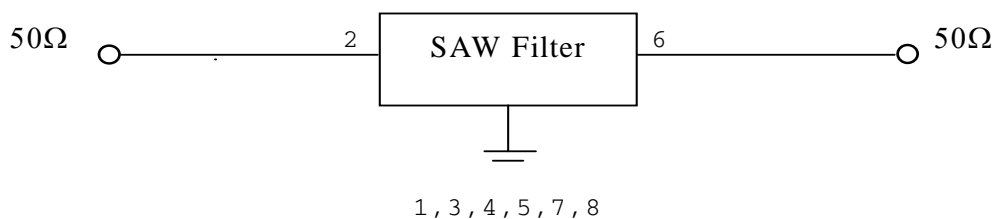
1. Input Power Level: 10dBm
2. DC Voltage: 5V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	309	-
Insertion Loss (304.225 ~ 314.285MHz) IL	dB	-	1.9	3.0
Amplitude Ripple (304.225 ~ 314.285MHz)	dB	-	0.8	2.0
Attenuation (Reference level from 0dB)				
50 ~ 280MHz	dB	40	45	-
350 ~ 700MHz	dB	30	34	-
Temperature coefficient of frequency	ppm/k	-	-36	-

C. MEASUREMENT CIRCUIT:

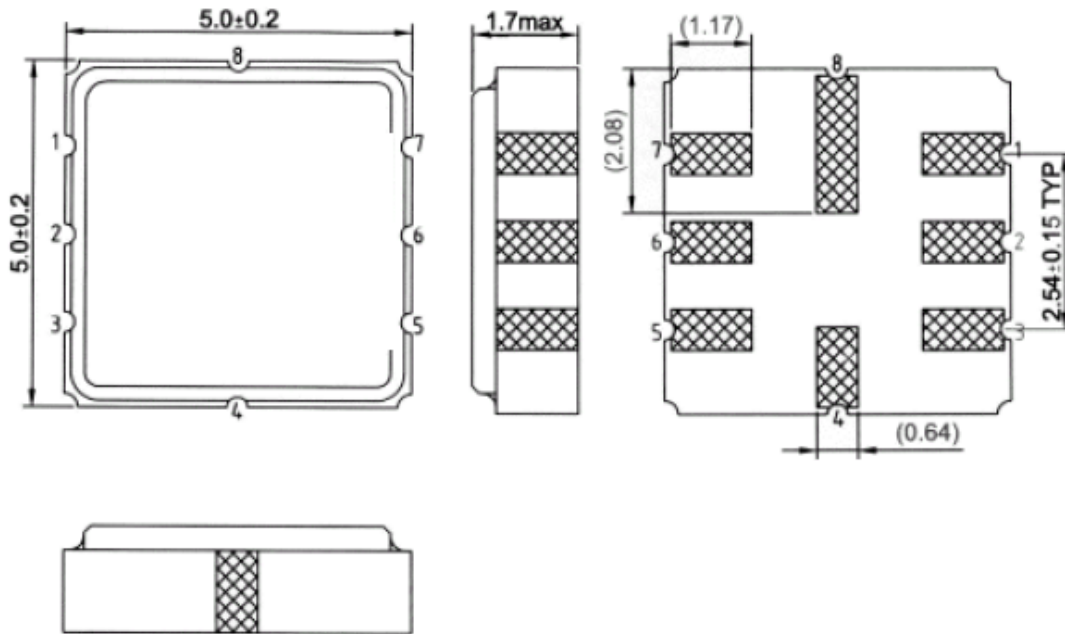
HP Network analyzer



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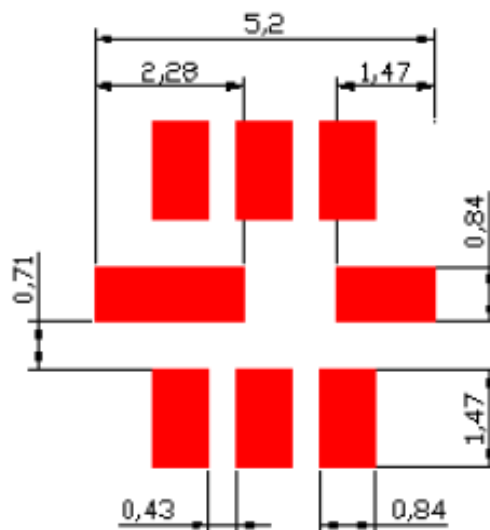
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D. OUTLINE DRAWING:



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

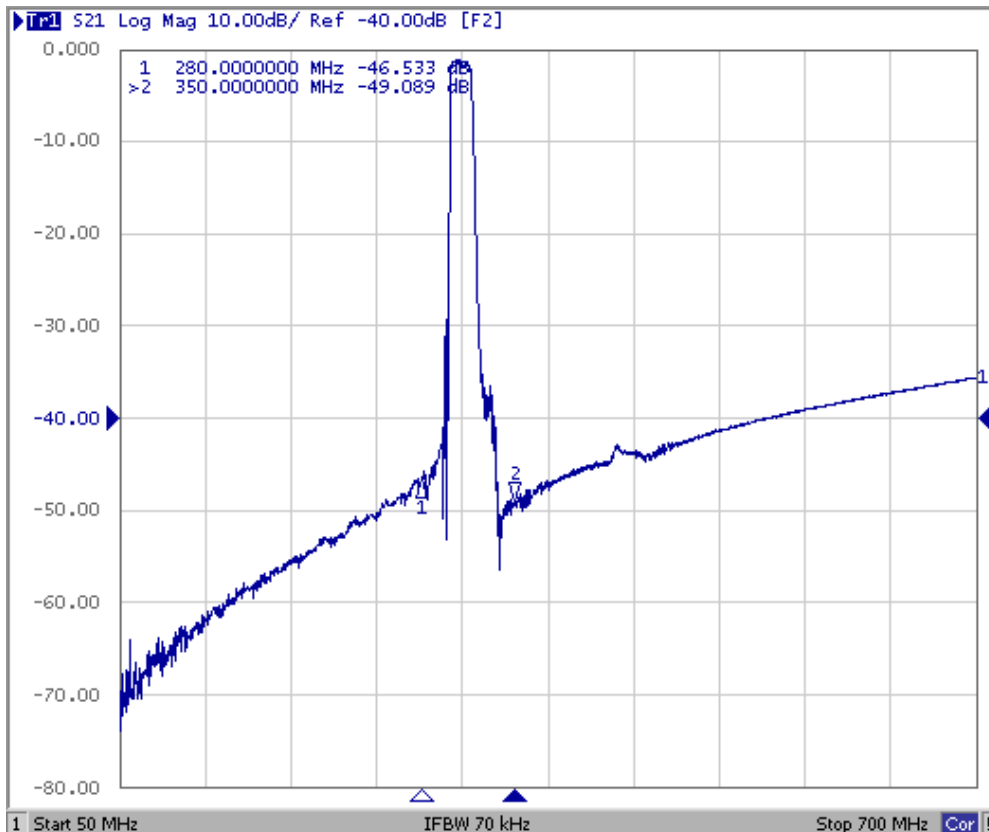
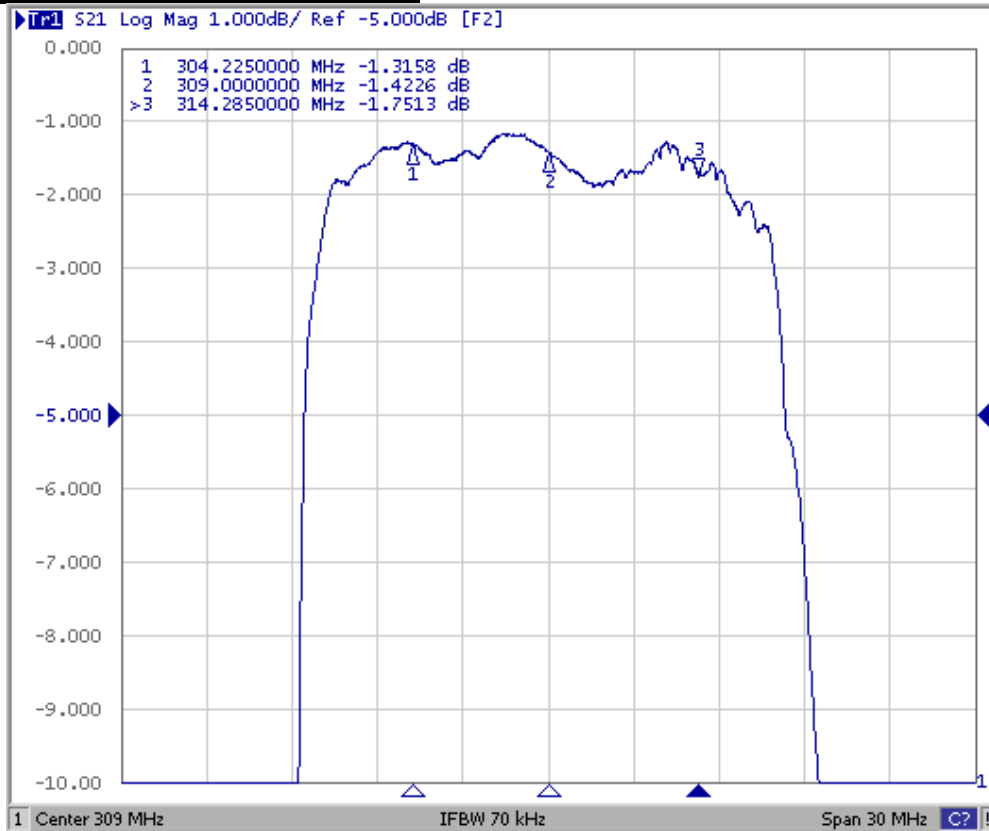
E. PCB FOOTPRINT:



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F. FREQUENCY CHARACTERISTICS:



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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 250±10°C peak (max. 10sec).
4. Time: 2 times.

