

SAW Filter 2045.0MHz

Model: TA0768B

Part No: MP07991 (AEC-Q200 Compliant)

Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

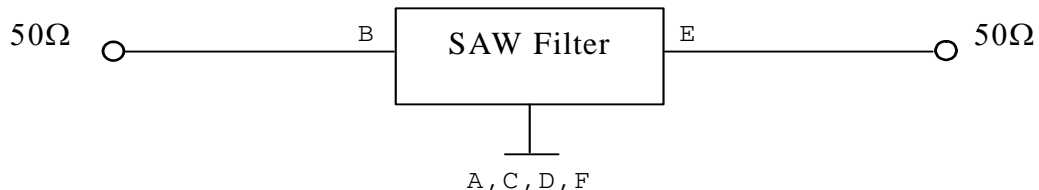
1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +125°C

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	2045	-	-
Insertion Loss (2037.5 ~ 2052.5MHz) IL	dB	-	1.8	3	-
Amplitude Ripple (2037.5 ~ 2052.5MHz)	dB	-	0.3	1.3	-
Attenuation (Reference level from 0dB)					
D.C. ~ 1970MHz	dB	27	35	-	-
2100 ~ 2300MHz	dB	32	43	-	-

C. MEASUREMENT CIRCUIT:

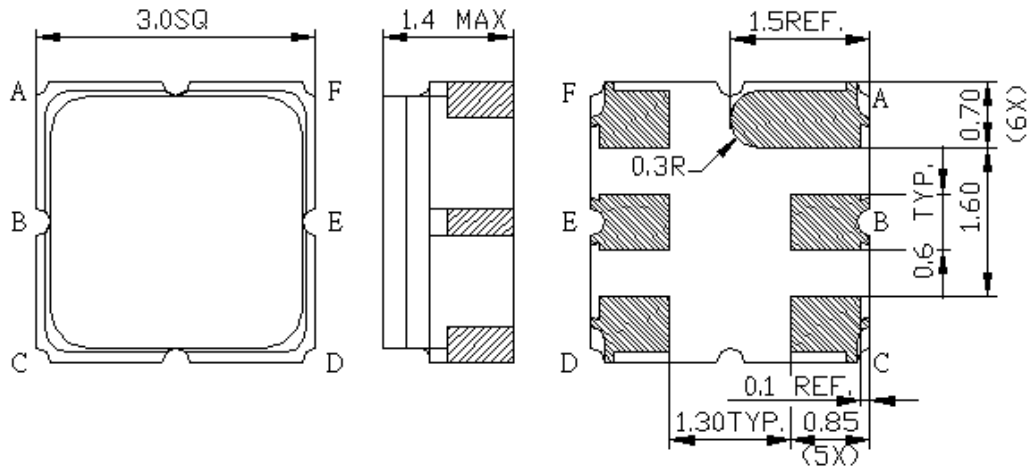
HP Network analyzer



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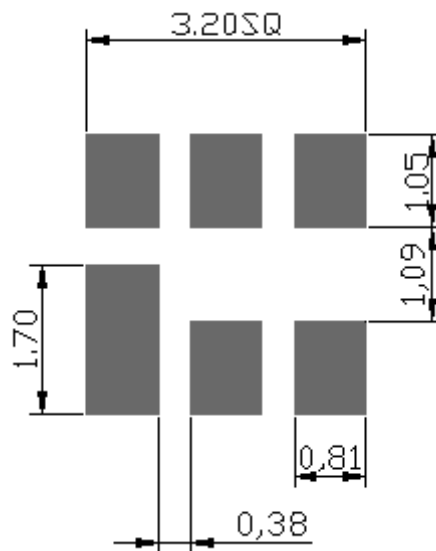
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D. OUTLINE DRAWING:



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

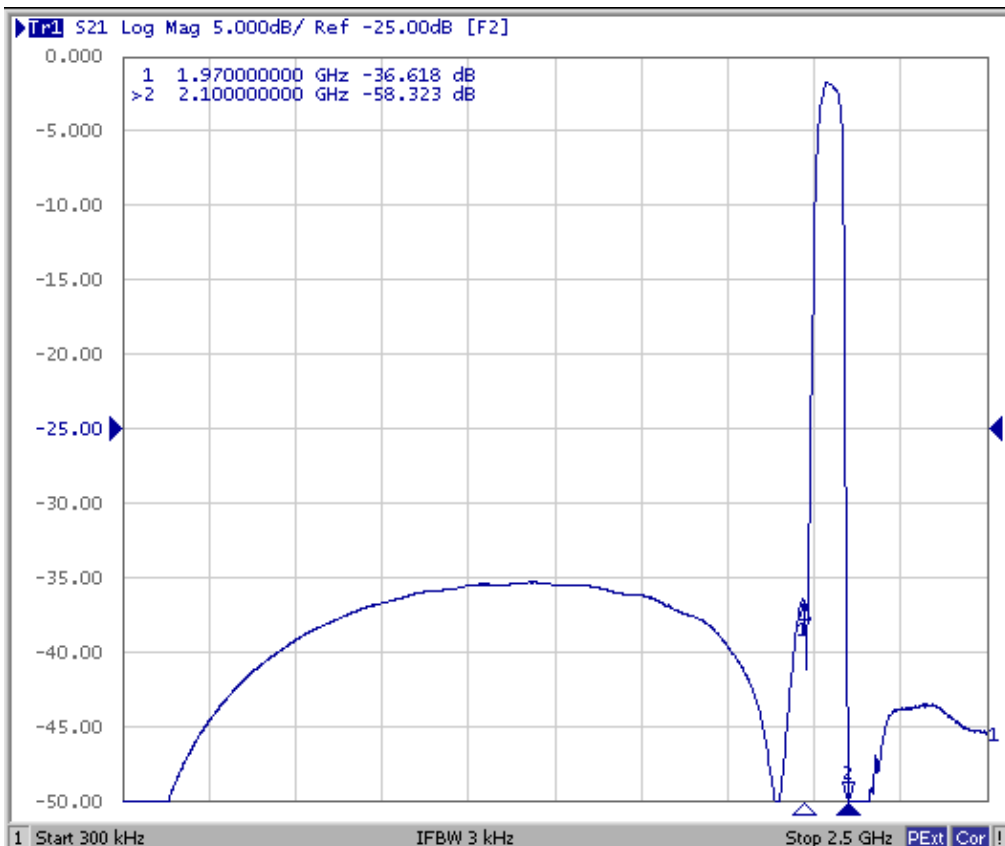
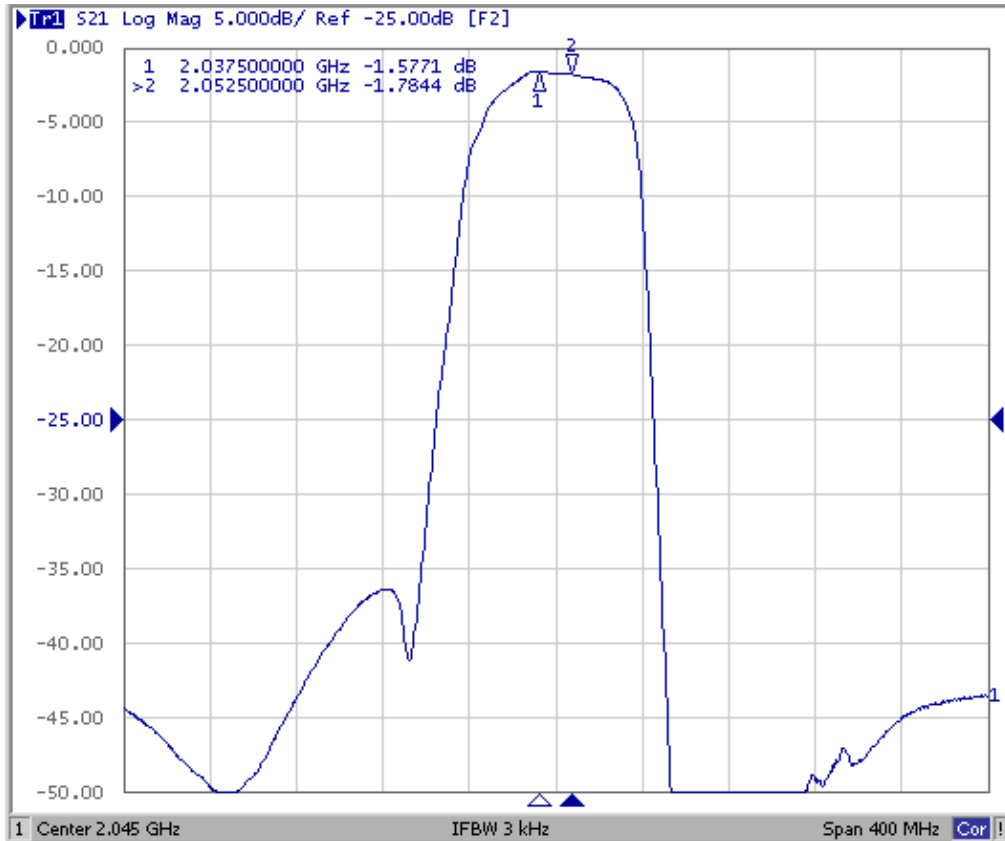
E. PCB FOOTPRINT:



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F. FREQUENCY CHARACTERISTICS:

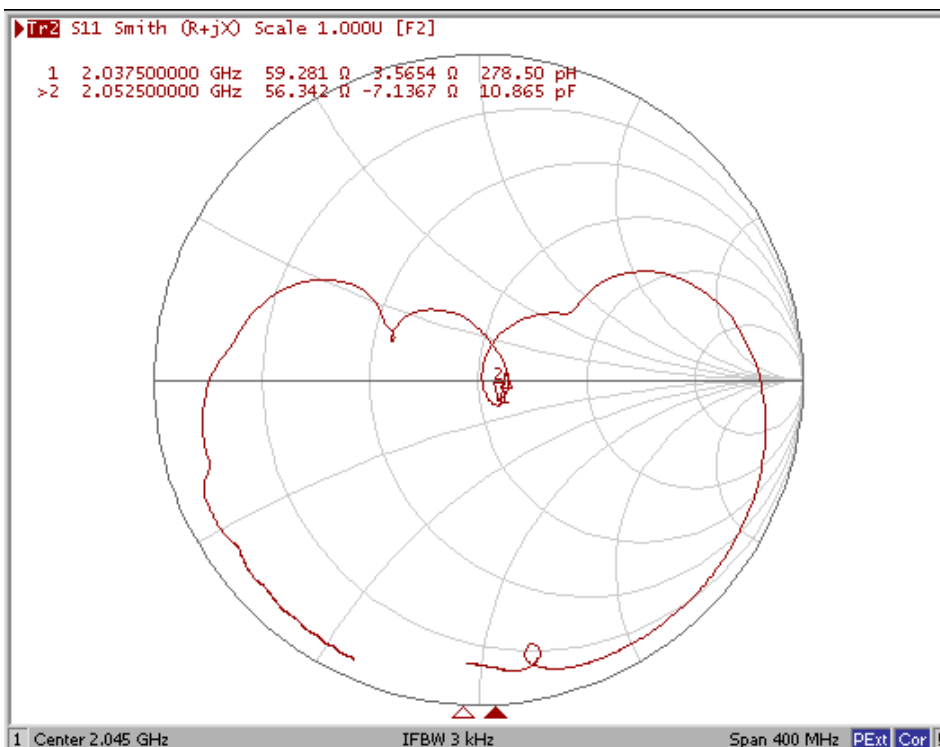
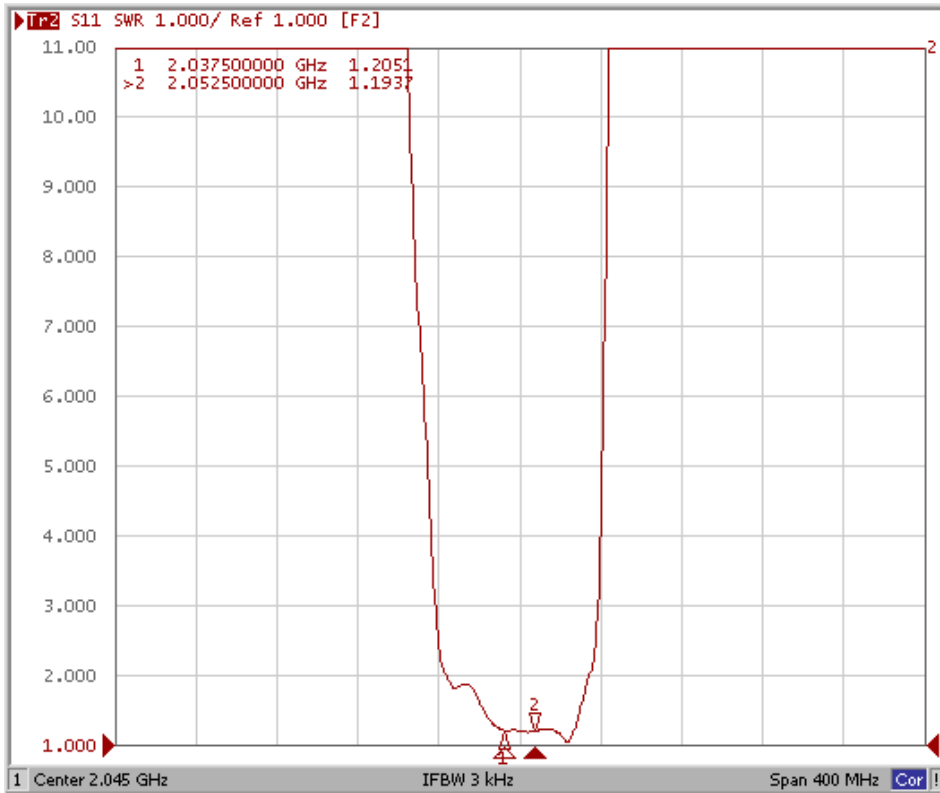


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Reflection Functions

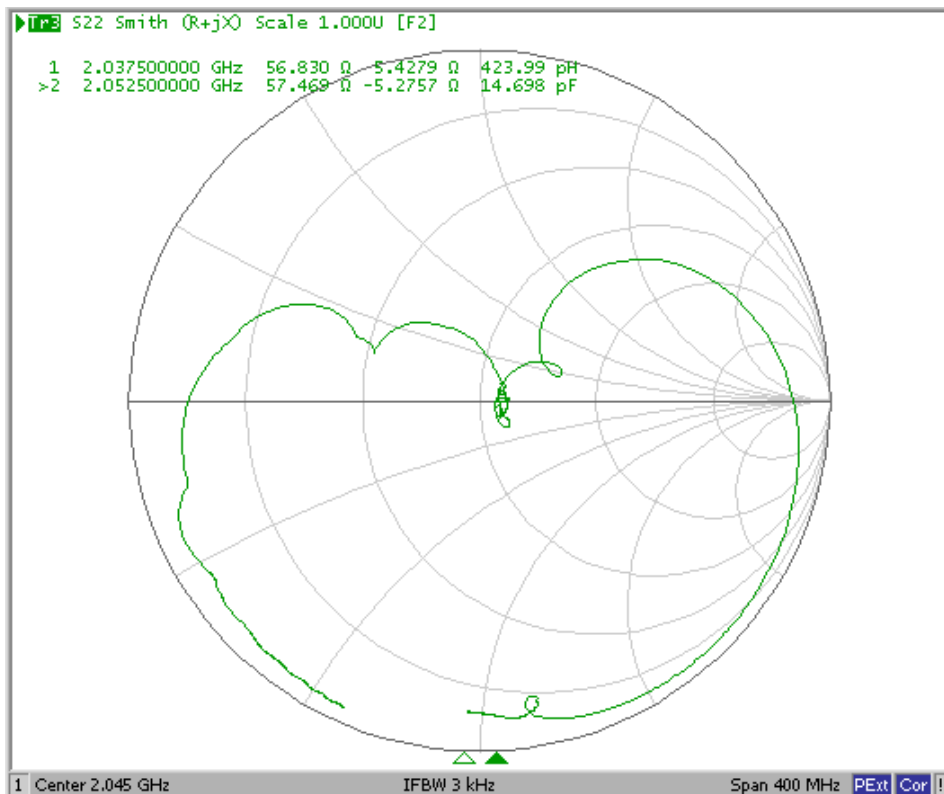
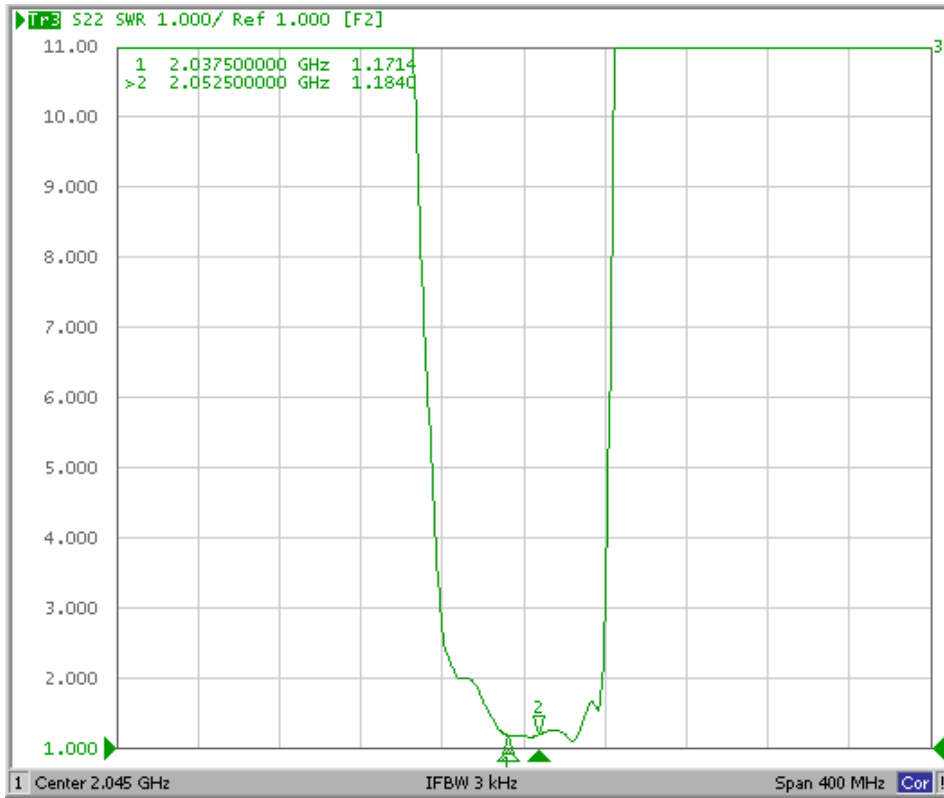
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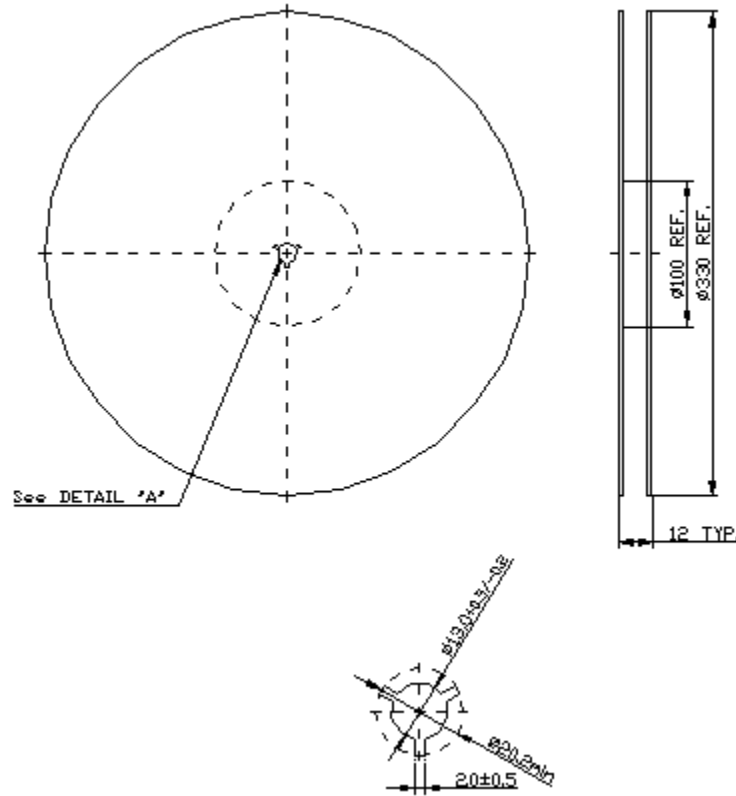


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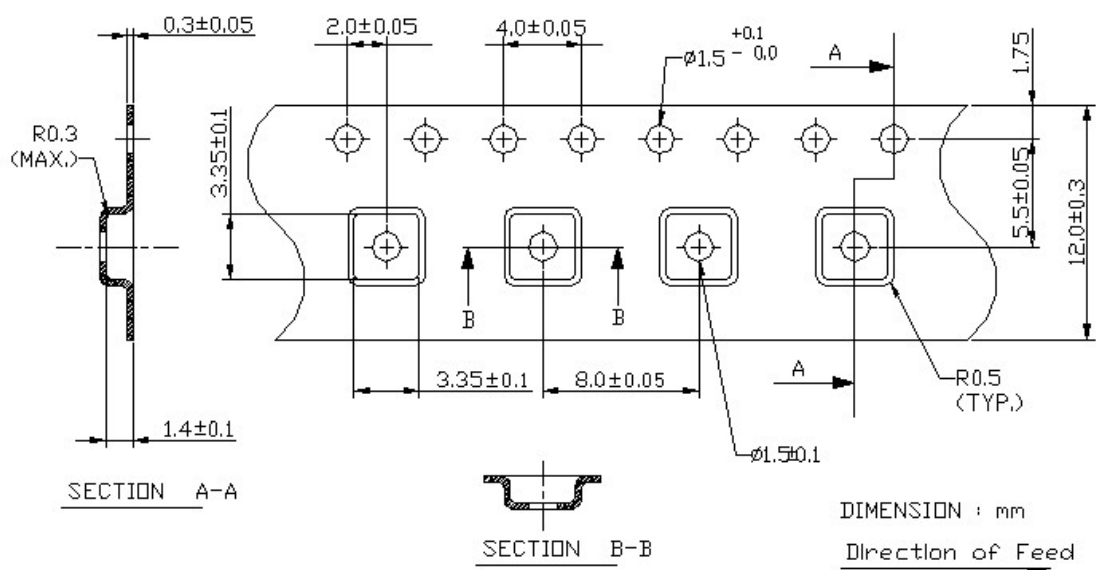
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G. PACKING:

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.

