

**SAW Filter 2593.0MHz**  
**Part No: MP07210**

**Model: TA1833A**  
**Rev No: 1**

**A. MAXIMUM RATING:**

Electrostatic Sensitive Device (ESD)

1. Input Power Level: 16dBm
2. DC Voltage: 3V
3. Operating Temperature: -30°C to +100°C
4. Storage Temperature: -40°C to +120°C

**B. ELECTRICAL CHARACTERISTICS:**

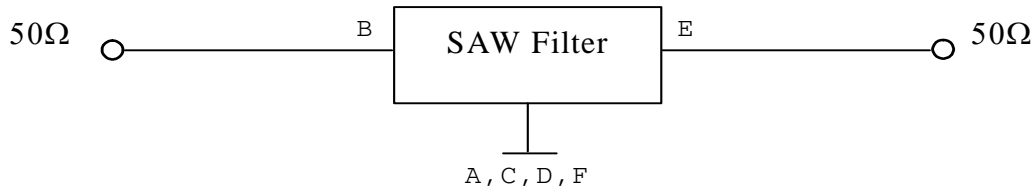
Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	2593	-
Insertion loss (2496 ~ 2690MHz) IL	dB	-	4	4.8
Amplitude ripple (2496 ~ 2690MHz)	dB	-	1.1	2.0
VSWR (2496 ~ 2690MHz)	-	-	2.3	2.7
Group delay ripple (2496 ~ 2690MHz)	ns	-	3	15
Attenuation (Reference level from 0dB)				
10 ~ 2025MHz	dB	18	23	-
2131 ~ 2170MHz	dB	21	26	-
2170 ~ 2300MHz	dB	22	27	-
2300 ~ 2400MHz	dB	7	13	-
2800 ~ 3000MHz	dB	7	12	-
3000 ~ 3800MHz	dB	20	25	-
3800 ~ 5850MHz	dB	20	25	-
Temperature coefficient of frequency	ppm/k	-	-80	-

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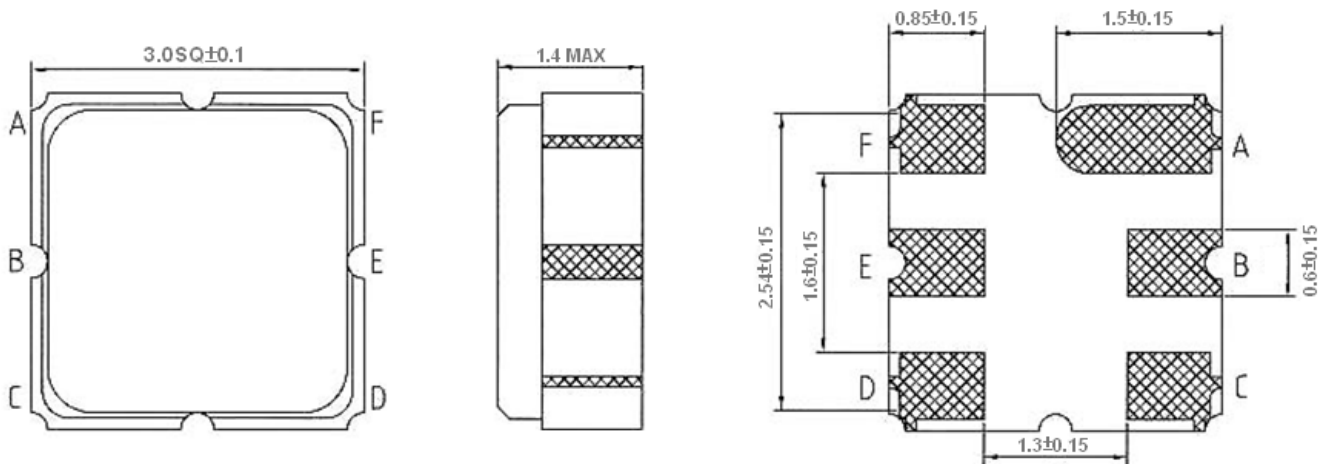
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**C. MEASUREMENT CIRCUIT:**

HP Network analyzer

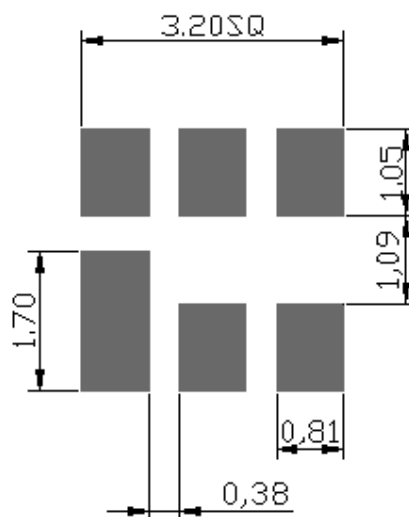


**D. OUTLINE DRAWING:**



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

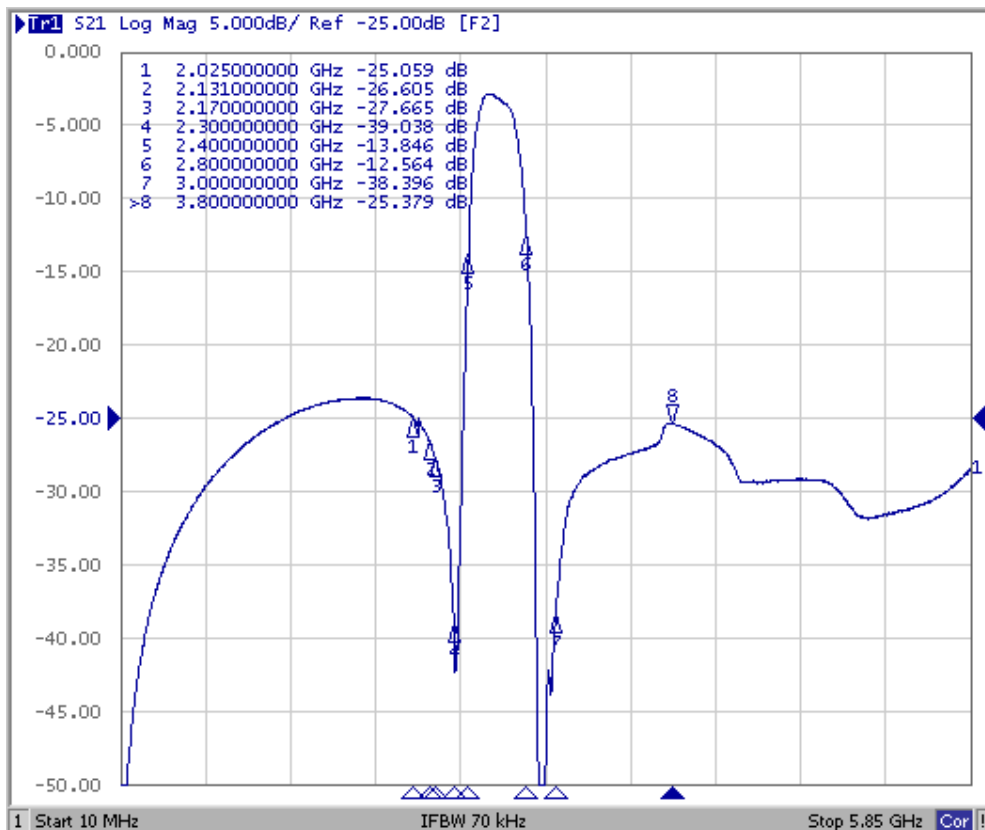
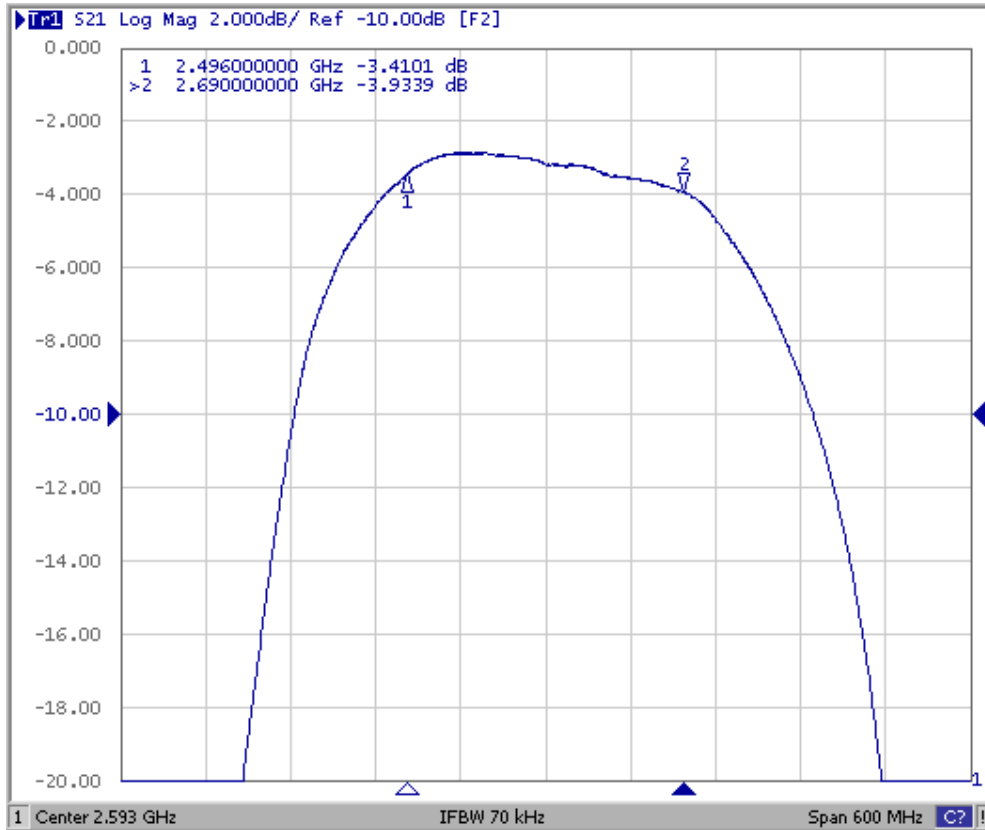
**E. PCB FOOTPRINT:**



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**F. FREQUENCY CHARACTERISTICS:**

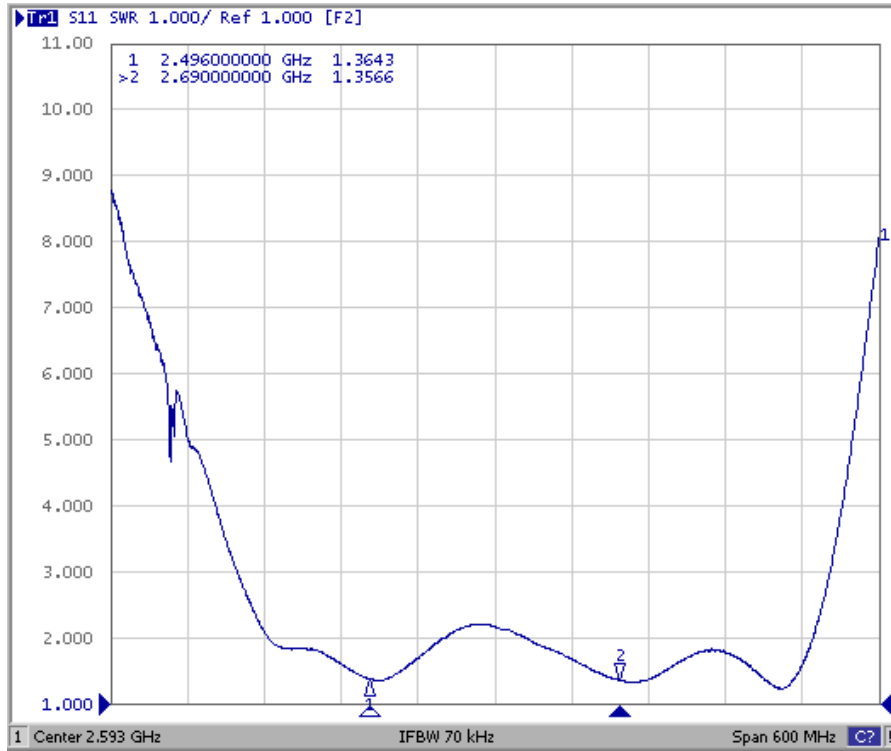


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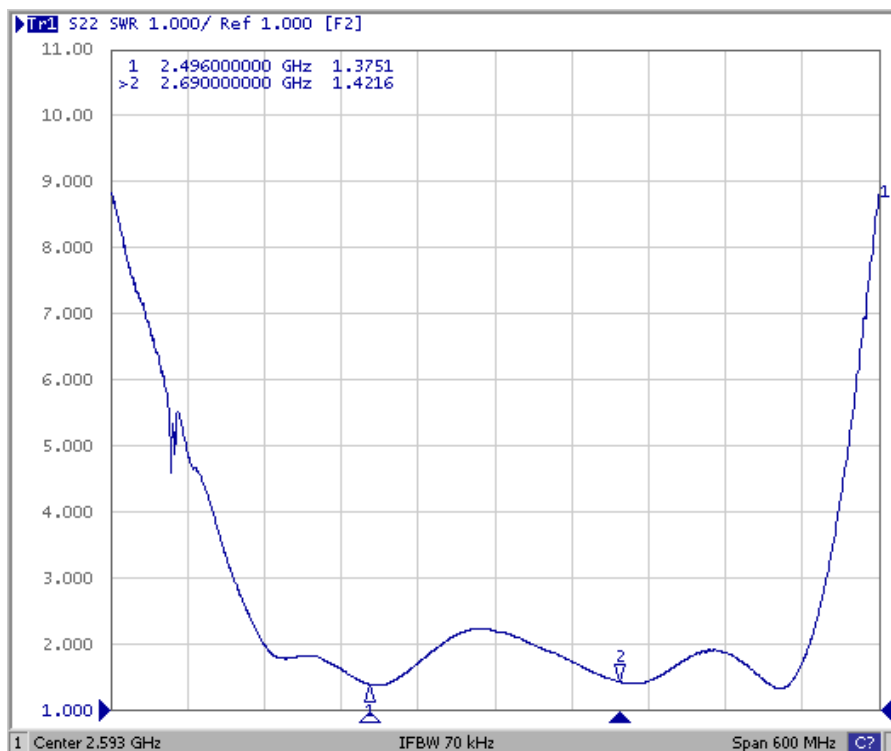
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Reflection Functions

S11



S22

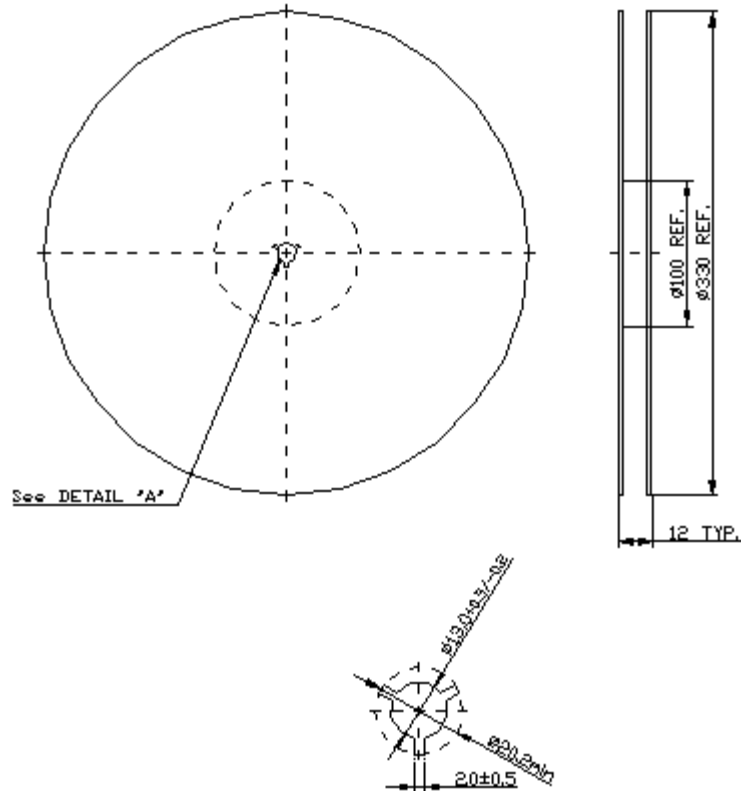


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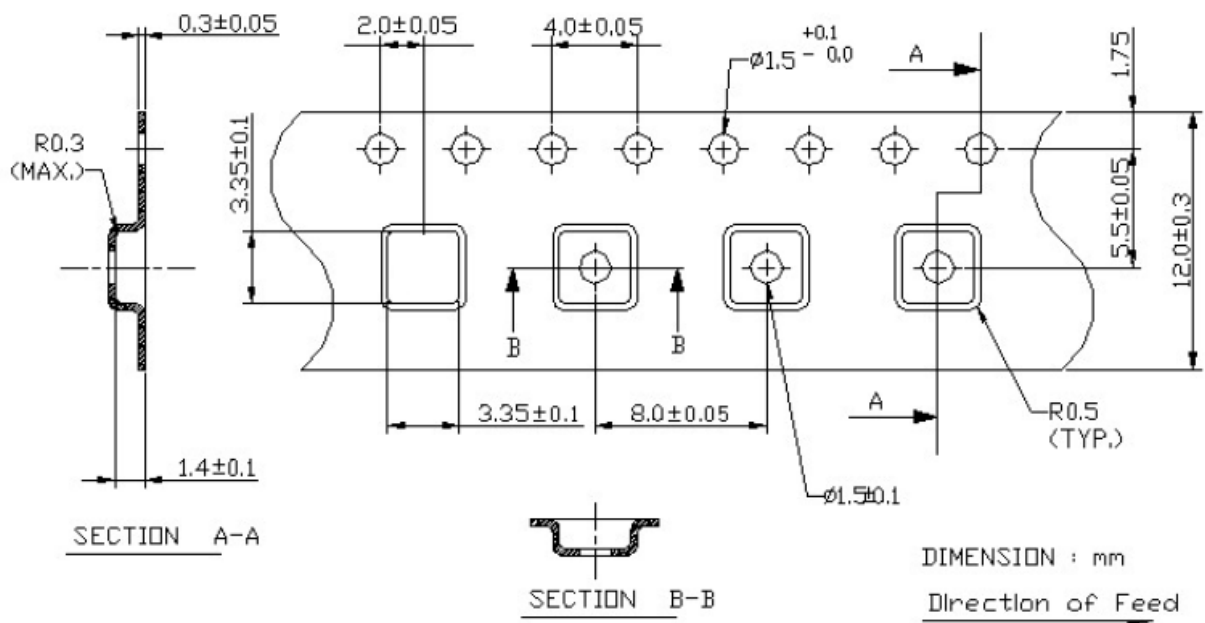
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**G. PACKING:**

1. Reel Dimension (Please refer to FR-75D10 for packing quantity)



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 245 ~ 260°C peak (min. 10 sec).
4. Time: 2 times.

