

**SAW Filter 1583.0MHz**

**Model: TA1932A**

**Part No: MP07884**

**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 +85°C

**B. ELECTRICAL CHARACTERISTICS:**

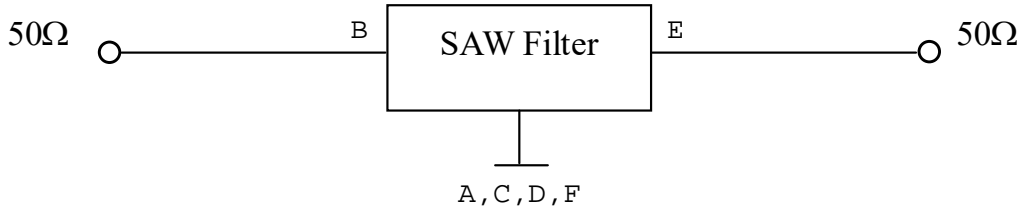
Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	1583	-
Insertion Loss (1561 ~ 1605MHz) IL	dB	-	2.3	2.8
Amplitude ripple (1561 ~ 1605MHz)	dB	-	0.4	1.5
VSWR (1561 ~ 1605MHz)	-	-	2.0	2.4
Group delay ripple (1561 ~ 1605MHz)	ns	-	9	30
Attenuation (Reference level from 0dB)				
10 ~ 945MHz	dB	35	43	-
945 ~ 1175MHz	dB	35	44	-
1175 ~ 1295MHz	dB	34	45	-
1295 ~ 1435MHz	dB	27	40	-
1435 ~ 1485MHz	dB	23	30	-
1485 ~ 1520MHz	dB	15	26	-
1640 ~ 1705MHz	dB	15	21	-
1705 ~ 2000MHz	dB	22	32	-
2000 ~ 2500MHz	dB	20	30	-
Temperature coefficient of frequency	ppm/k	-	-36	-

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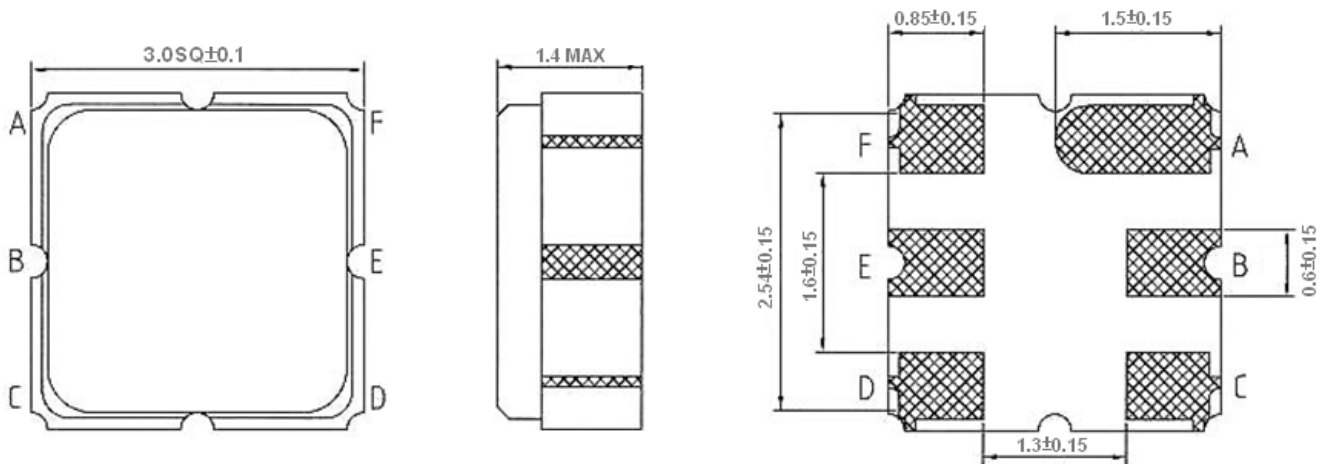
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**C. MEASUREMENT CIRCUIT:**

HP Network analyzer

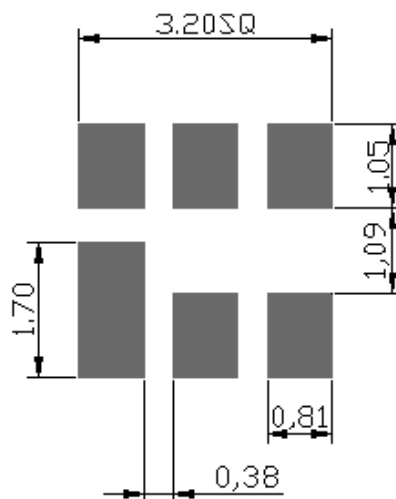


**D. OUTLINE DRAWING:**



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

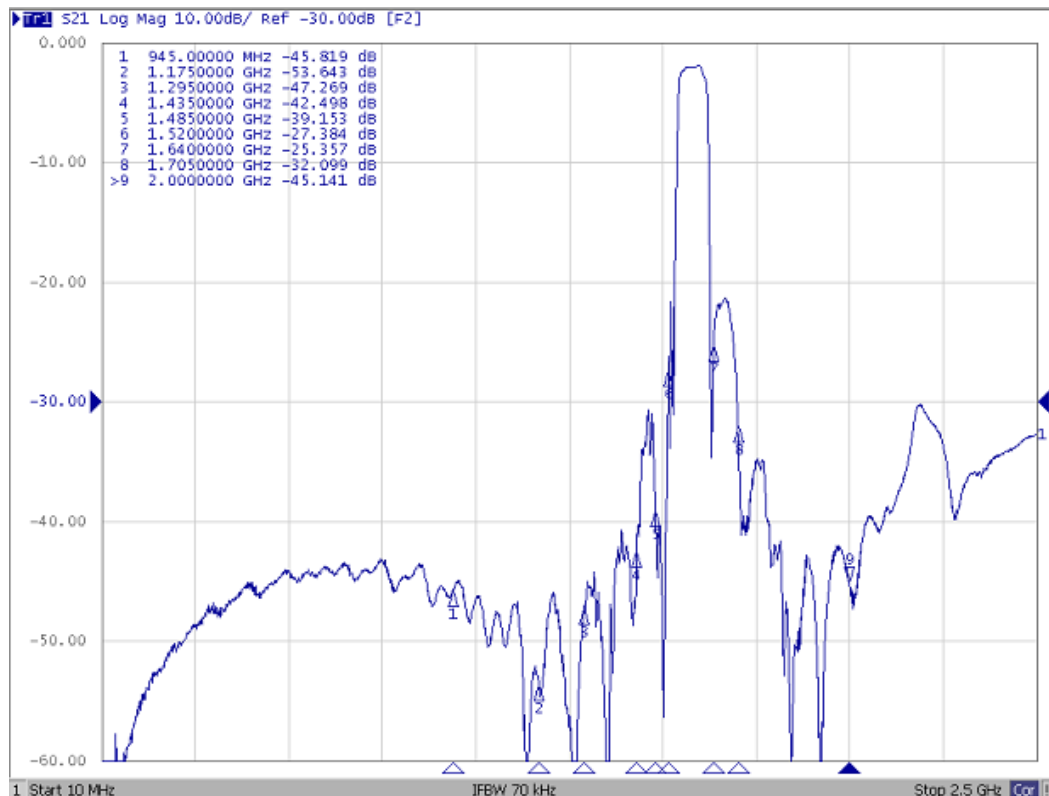
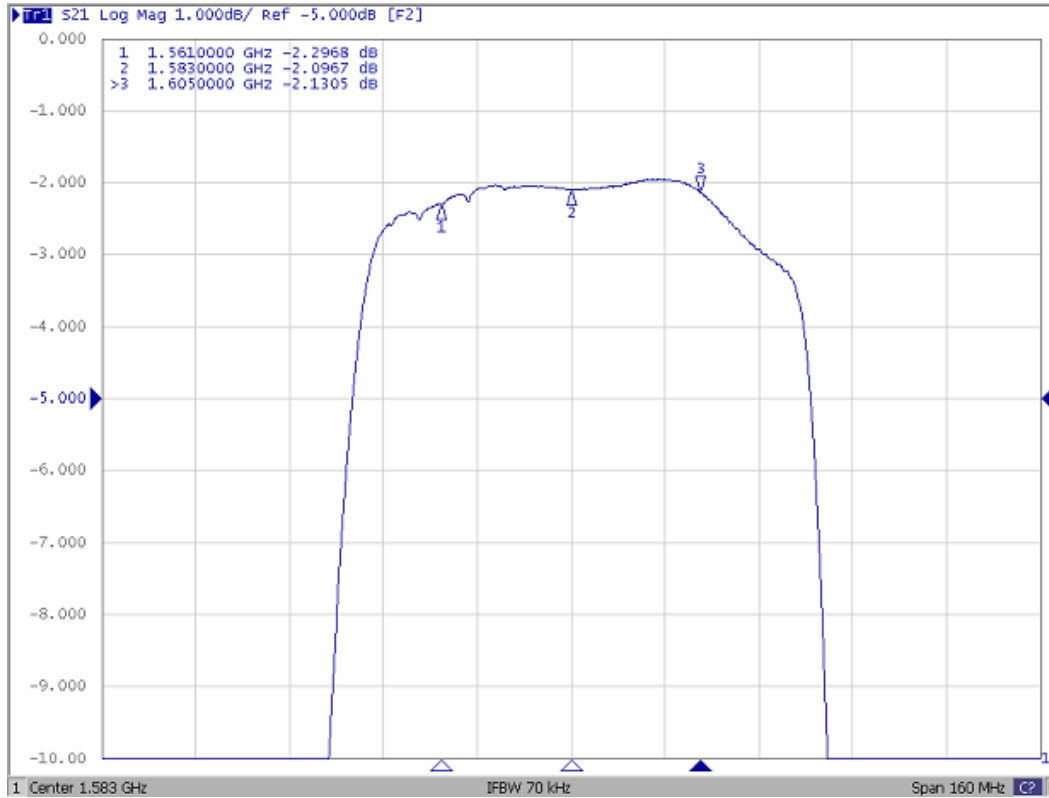
**E. PCB FOOTPRINT:**



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**F. FREQUENCY CHARACTERISTICS:**

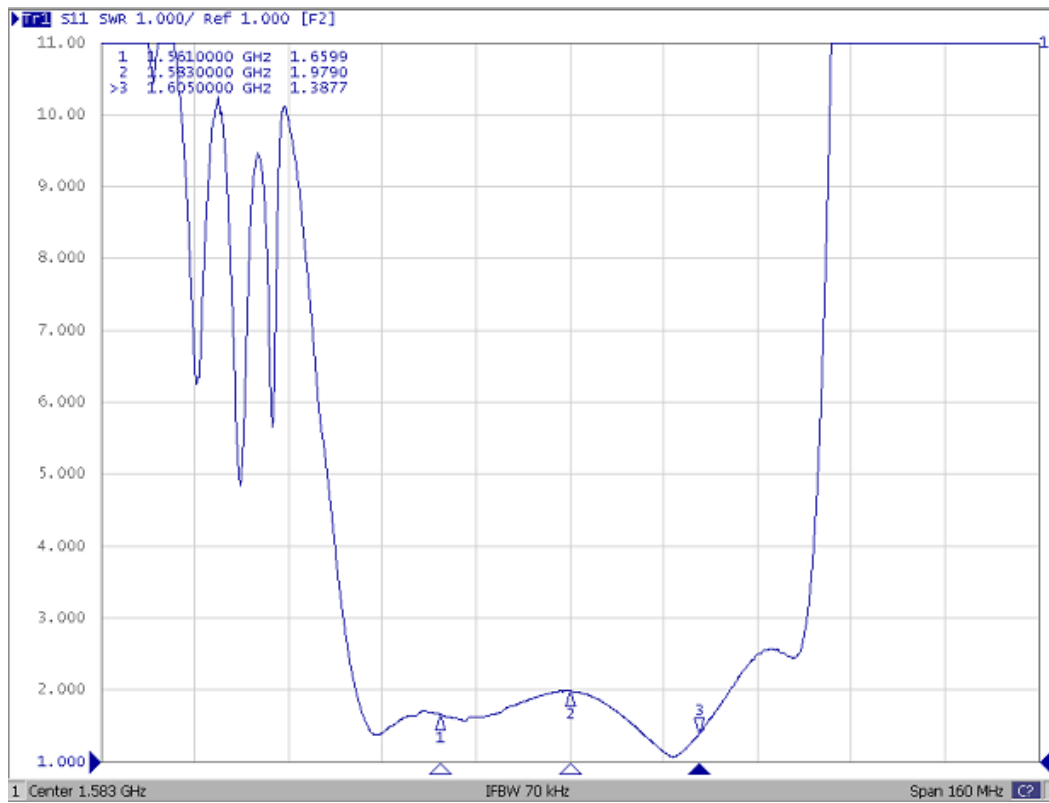


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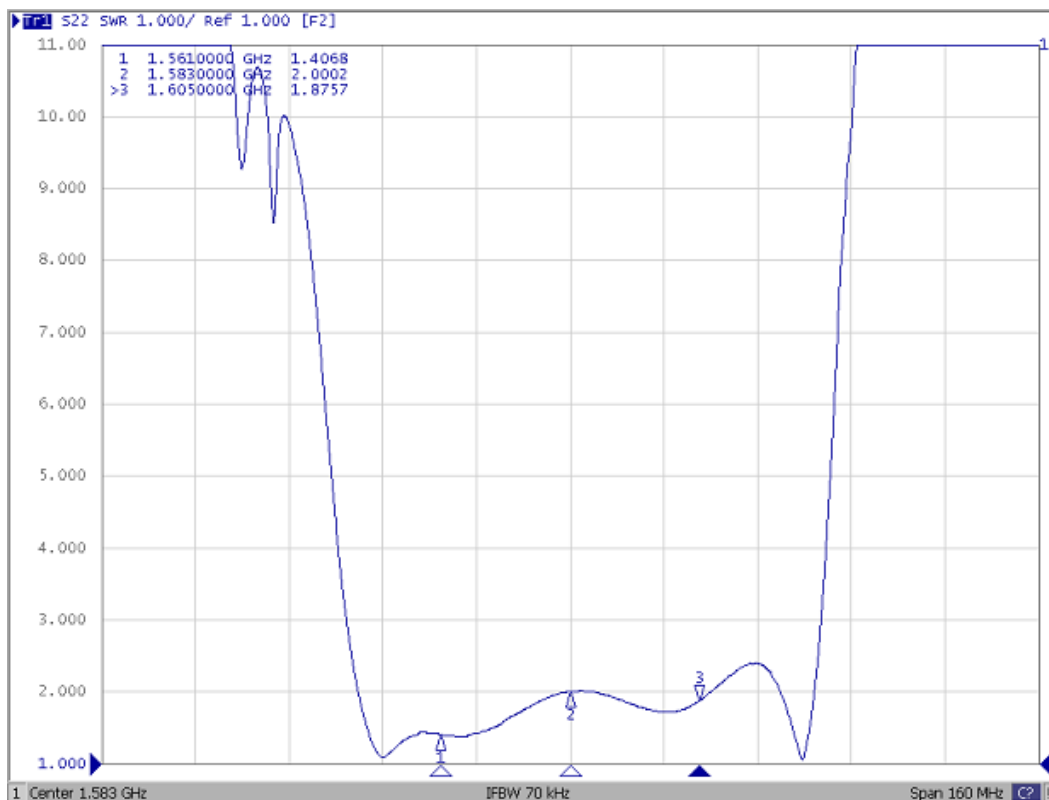
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Reflection Functions:

S11



S22

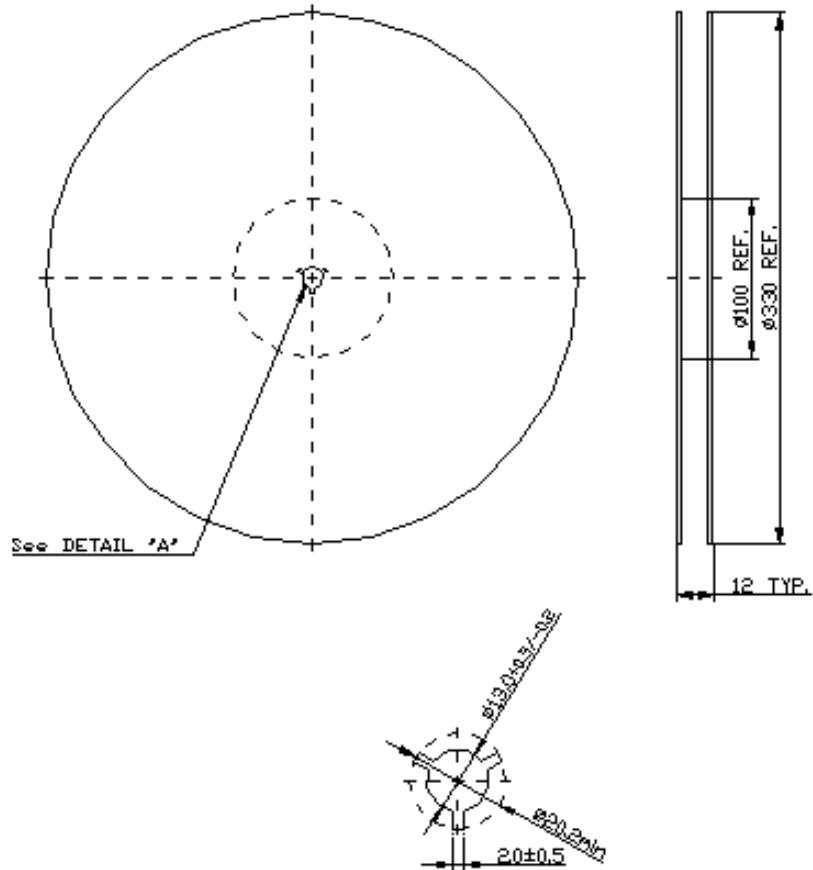


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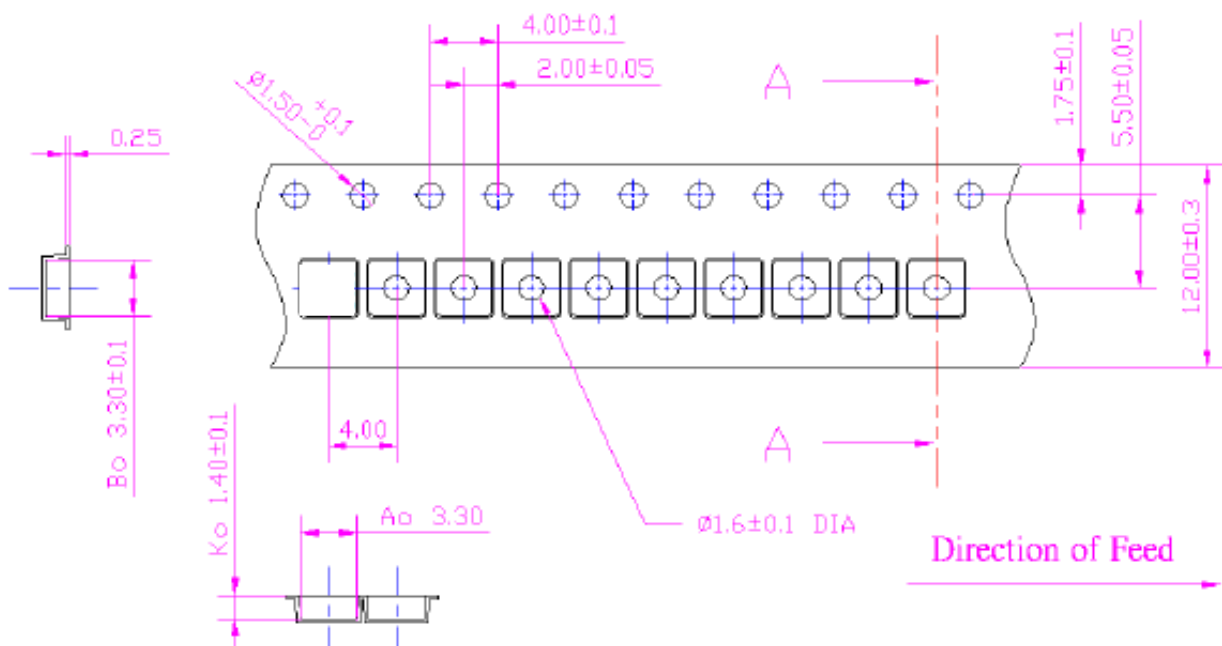
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**G. PACKING:**

1. Reel Dimensions



2. Tape Dimensions



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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.

