

**SAW Filter 888.750MHz**  
**Part No: MP08687**

**Model: TA1889A**  
**Rev No: 1**

**A. MAXIMUM RATING:**

Electrostatic Sensitive Device (ESD)

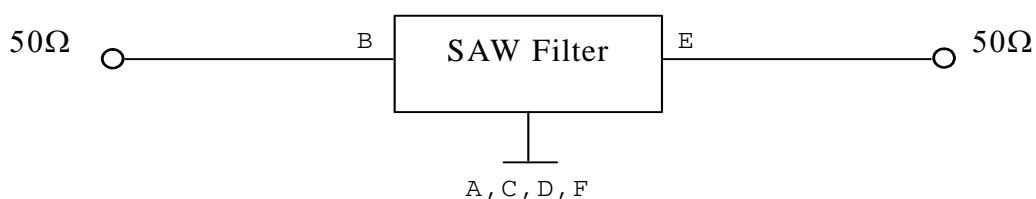
1. Input Power Level: 10dBm
2. DC voltage: 3V
3. Operating Temperature: 0°C to +50°C
4. Storage Temperature: -40°C to +85°C

**B. ELECTRICAL CHARACTERISTICS:**

Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	888.75	-
Insertion Loss (880 ~ 897.5MHz) IL	dB	-	1.4	3.0
Amplitude ripple (880 ~ 897.5MHz)	dB	-	0.8	1.8
VSWR (880 ~ 897.5MHz)	-	-	1.5	2.4
Attenuation (Reference level from 0dB)				
10 ~ 863.8MHz	dB	25	40	-
863.8 ~ 868.75MHz	dB	12	25	-
908.75 ~ 910.8MHz	dB	14	35	-
910.8 ~ 1500MHz	dB	25	44	-
Temperature coefficient of frequency	ppm/k	-	-36	-

**C. MEASUREMENT CIRCUIT:**

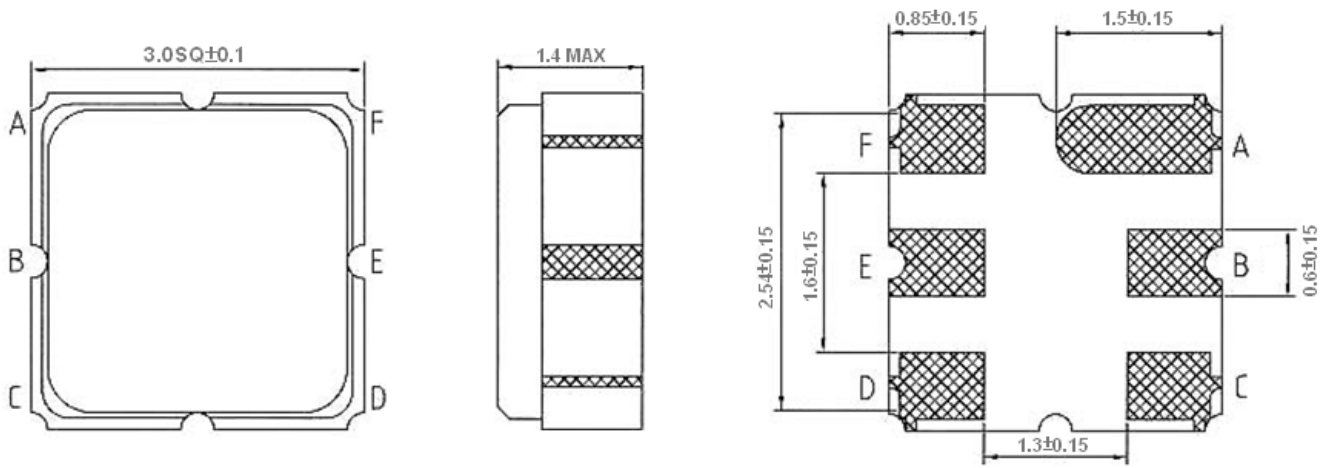
HP Network analyzer



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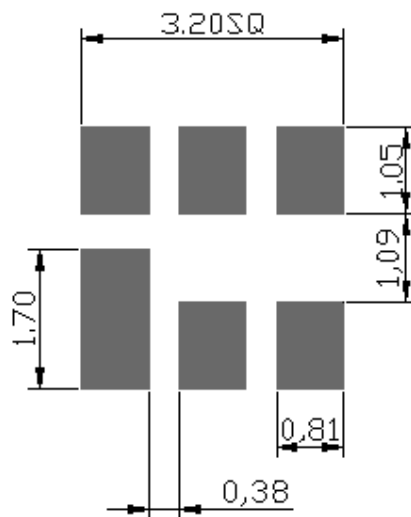
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**D. OUTLINE DRAWING:**



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

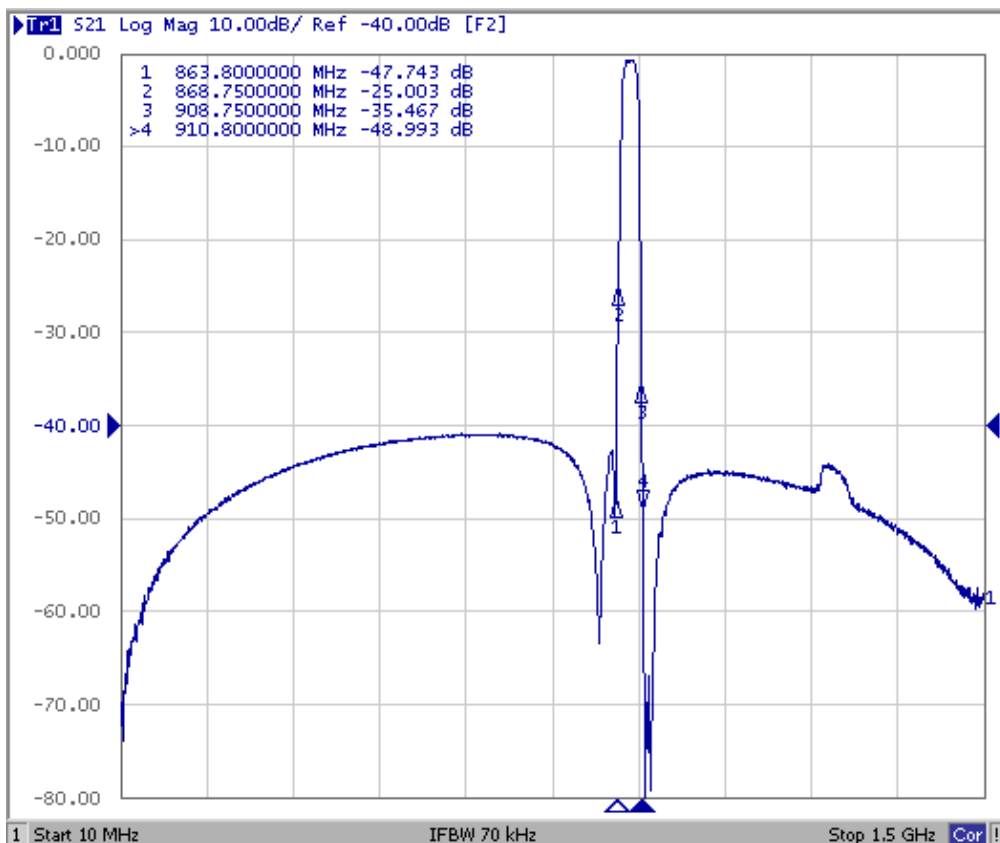
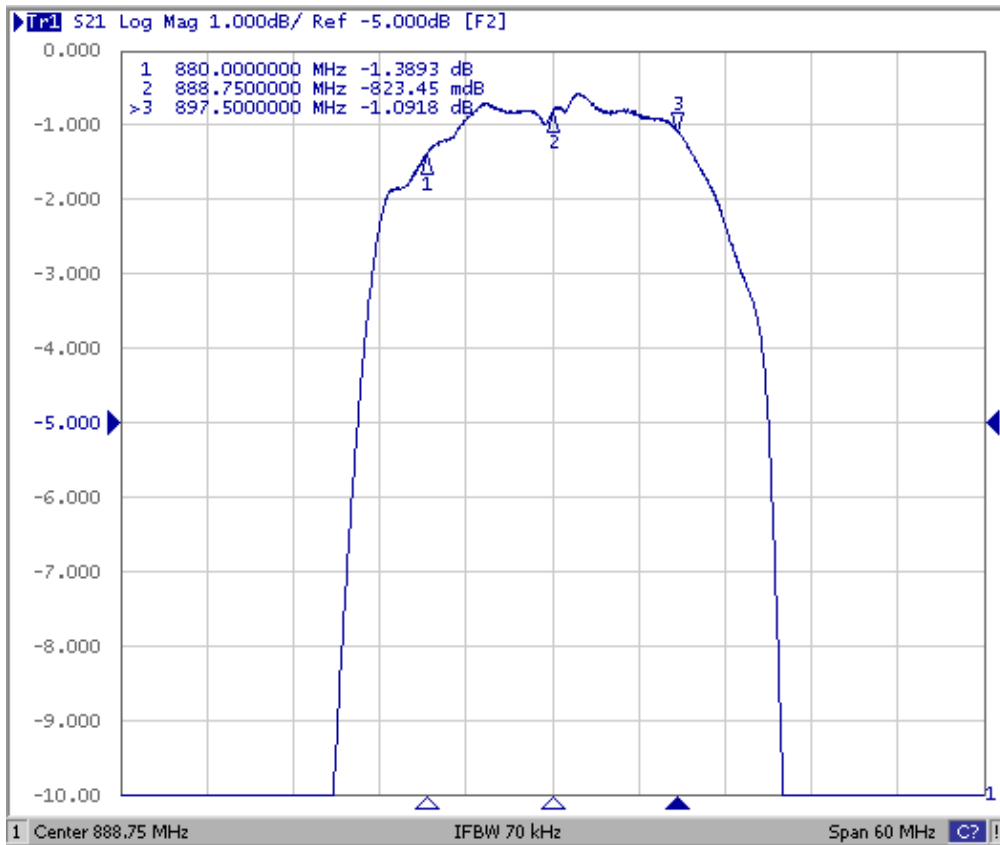
**E. PCB FOOTPRINT:**



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**F. FREQUENCY CHARACTERISTICS:**

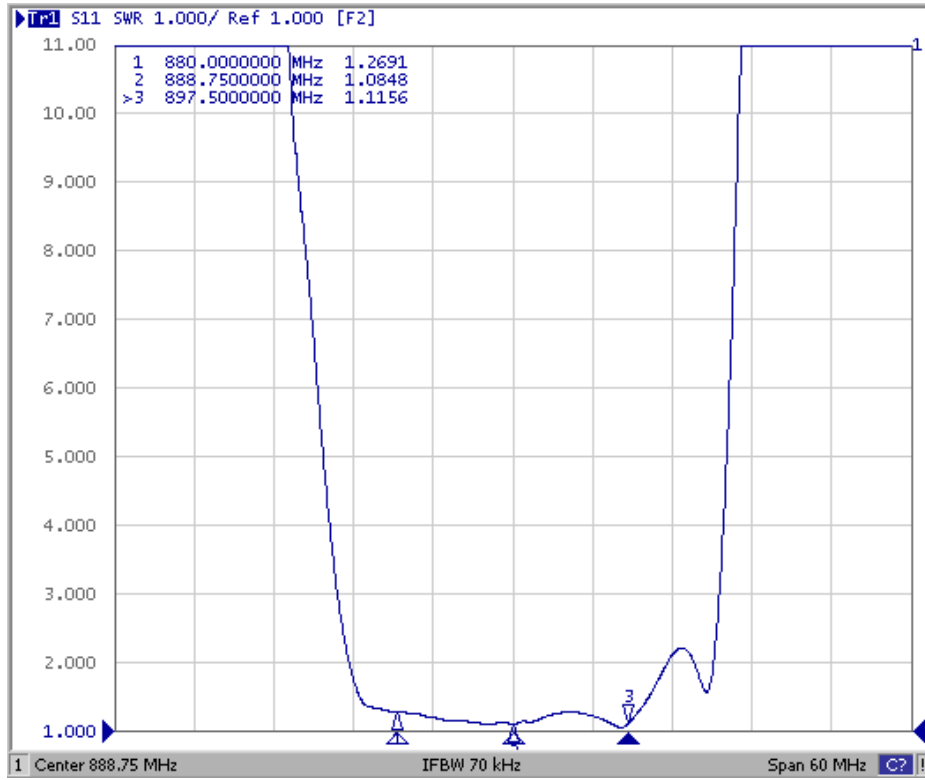


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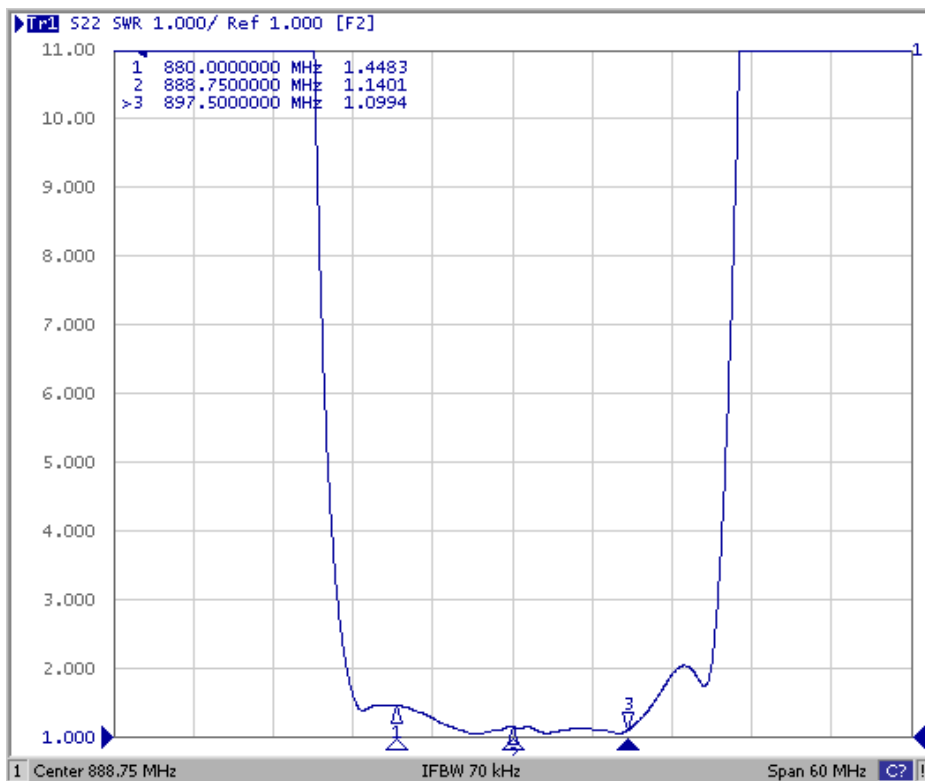
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Reflection Functions

S11



S22

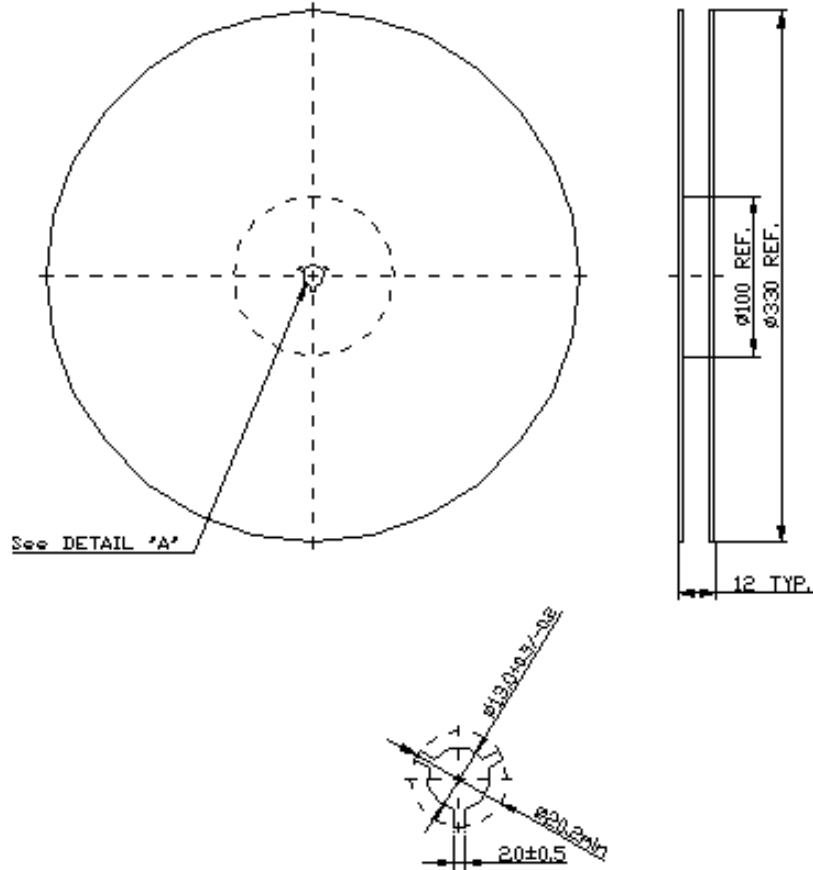


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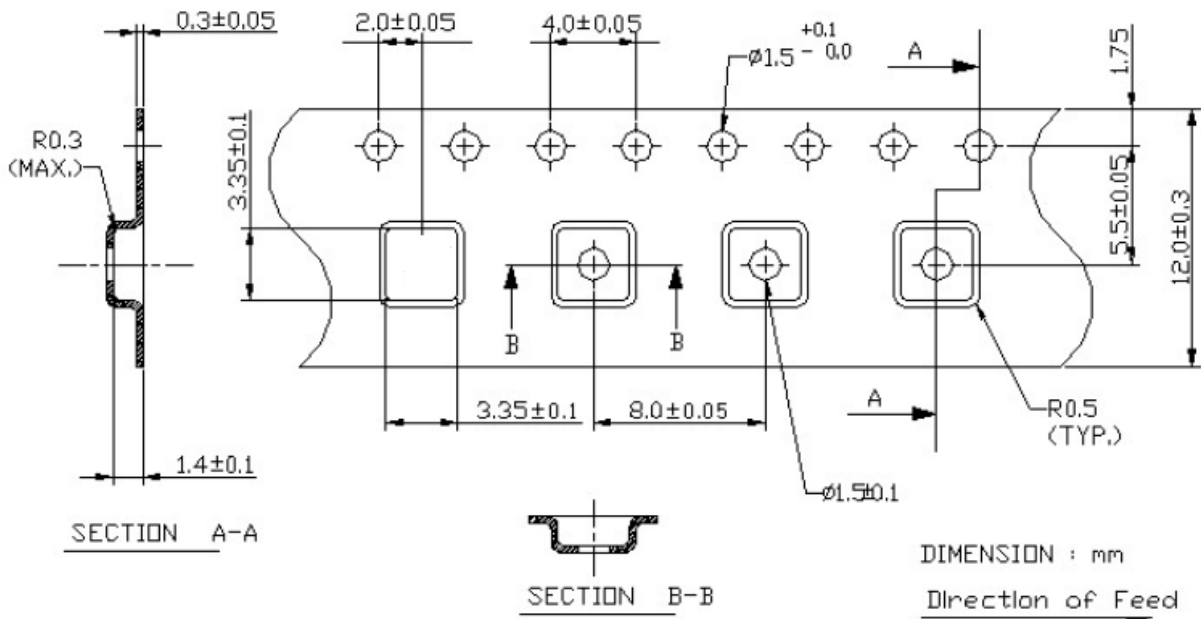
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**G. PACKING:**

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

