

**SAW Filter 788.0MHz**  
**Part No: MP07858**

**Model: TA1898A**  
**Rev No: 1**

**A. MAXIMUM RATING:**

Electrostatic Sensitive Device (ESD)

1. Maximum Input Power: 15dBm
2. Operating Temperature: -30°C to +85°C
3. Storage Temperature Range: -40°C to +85°C

**B. ELECTRICAL CHARACTERISTICS:**

1. Terminating source impedance:  $Z_S = 50\Omega$
2. Terminating load impedance:  $Z_L = 50\Omega$

Parameters Description		Unit	Min.	Typ.	Max.
Center Frequency		MHz	-	788.0	-
Insertion Loss	773 ~ 803MHz	dB	-	2.0	2.8
Amplitude ripple	773 ~ 803MHz	dB p-p	-	1.0	2.1
VSWR(Input)	773 ~ 803MHz	-	-	2.2	2.5
VSWR(Output)	773 ~ 803MHz	-	-	2.2	2.5
Attenuation:					
703 ~ 718MHz		dB	46	60	-
718 ~ 748MHz		dB	46	52	-
1546 ~ 1606MHz		dB	40	49	-
1559 ~ 1606MHz		dB	40	49	-
2319 ~ 2409MHz		dB	35	43	-
2400 ~ 2500MHz		dB	35	43	-
3092 ~ 3212MHz		dB	30	41	-
3865 ~ 4015MHz		dB	30	39	-
4638 ~ 4818MHz		dB	30	38	-
4900 ~ 5950MHz		dB	30	38	-
5411 ~ 5621MHz		dB	30	38	-
6184 ~ 6424MHz		dB	30	39	-
6957 ~ 7227MHz		dB	30	38	-

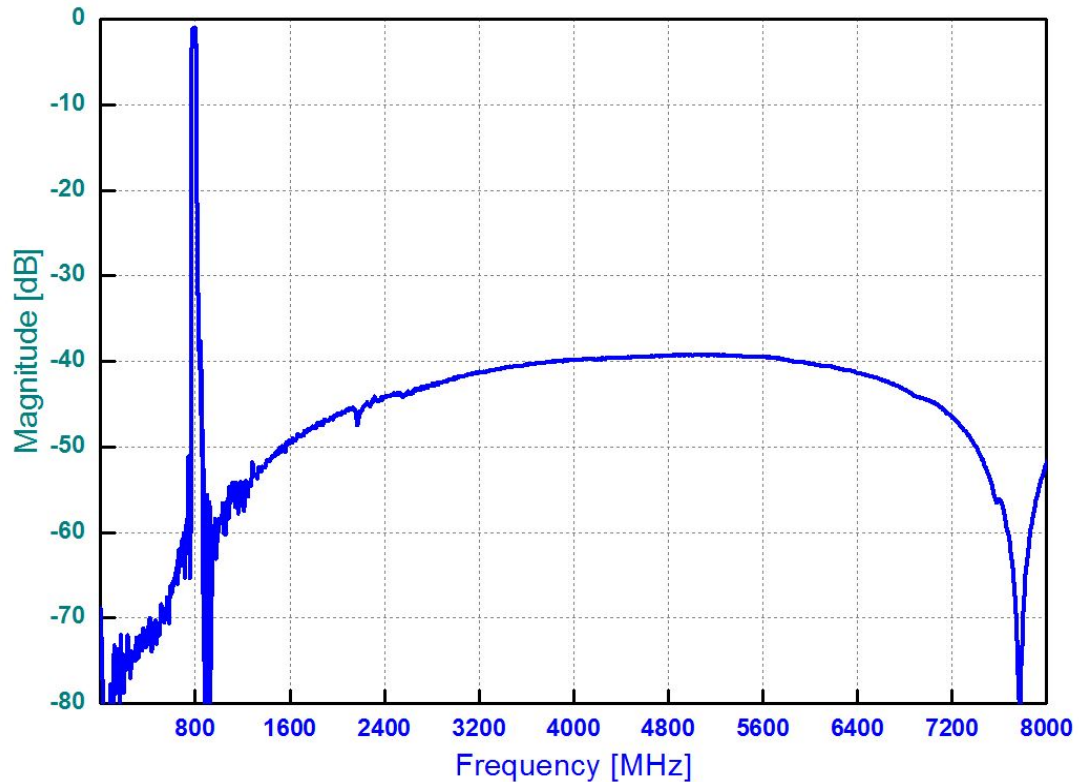
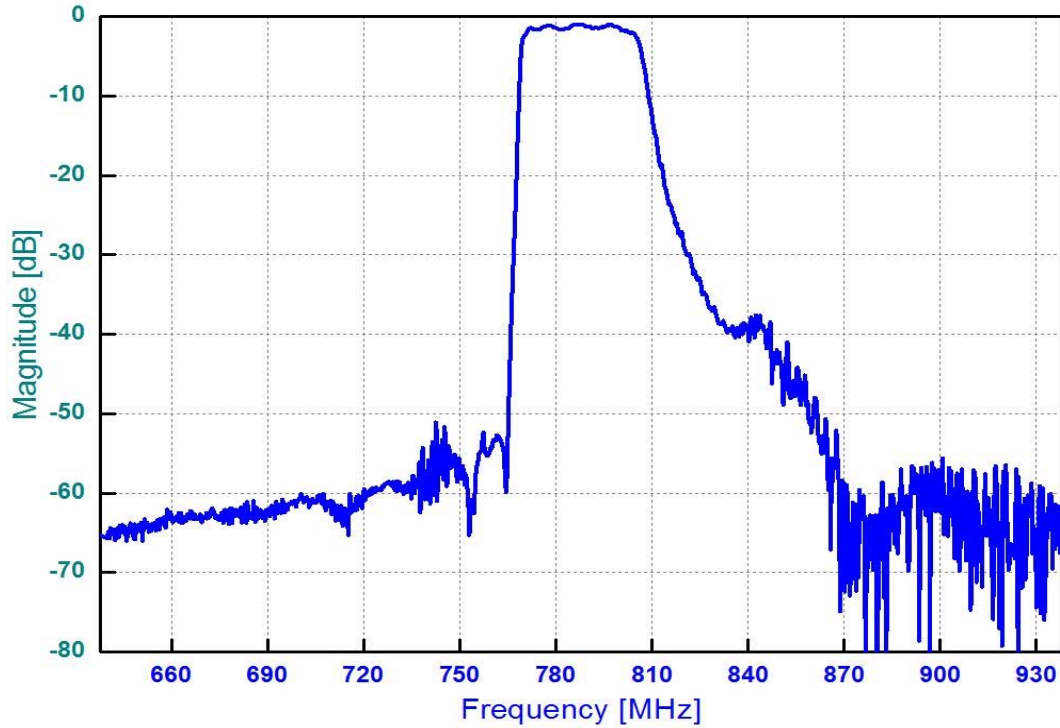
Notes: No Matching Network.

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**C. FREQUENCY CHARACTERISTICS:**

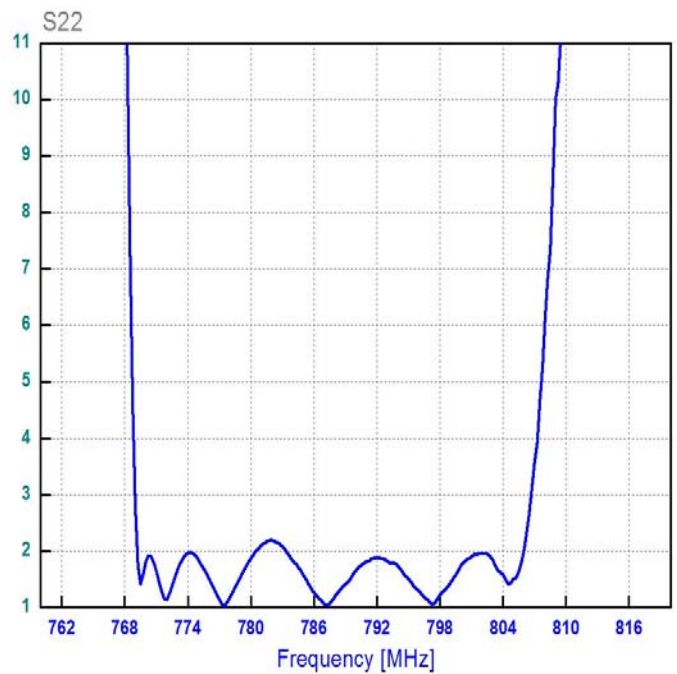
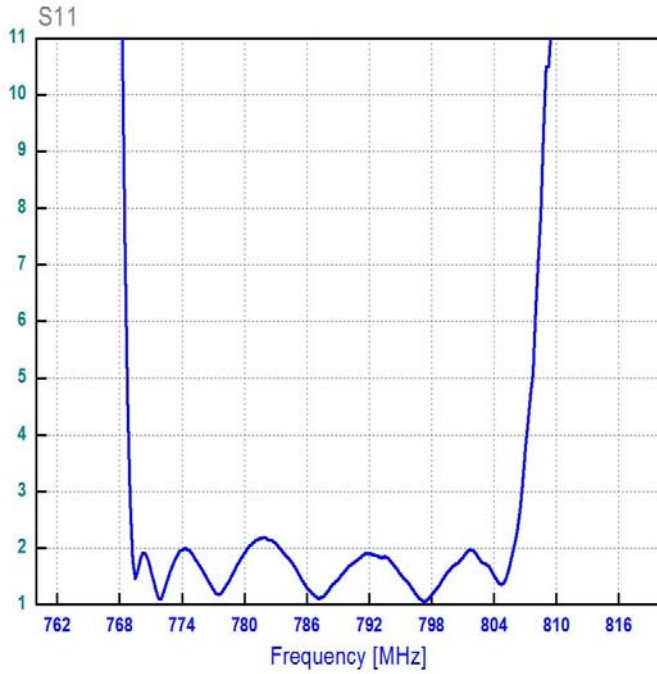
1. Frequency Response



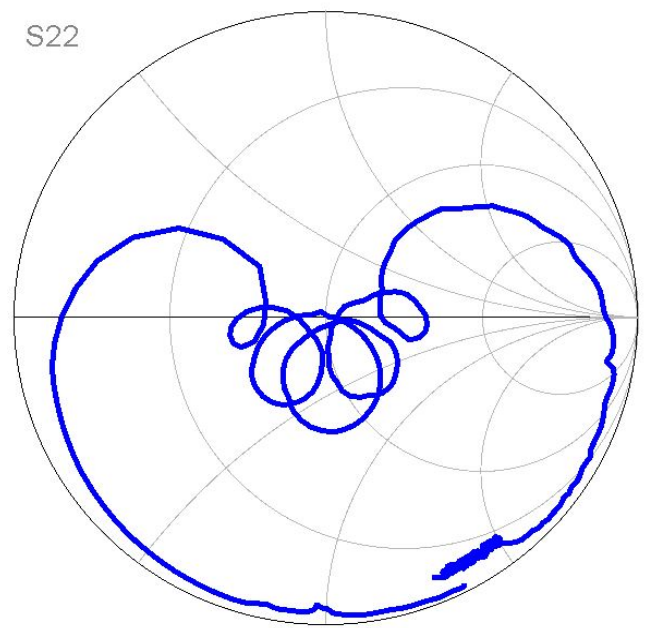
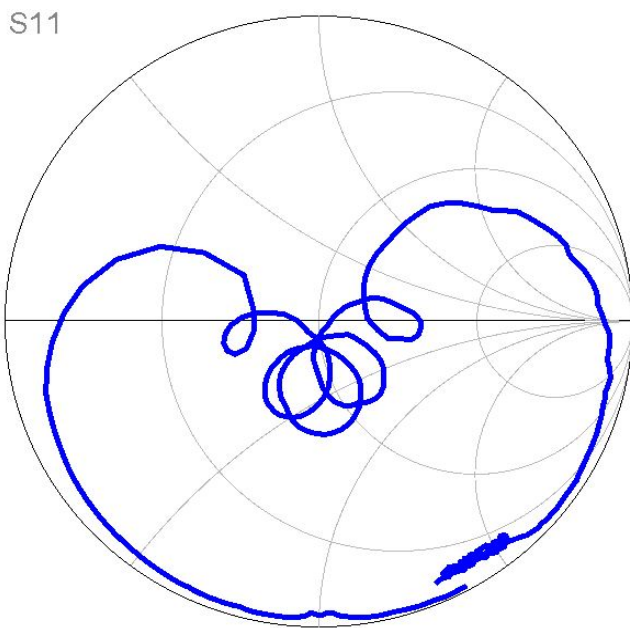
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### 2. VSWR



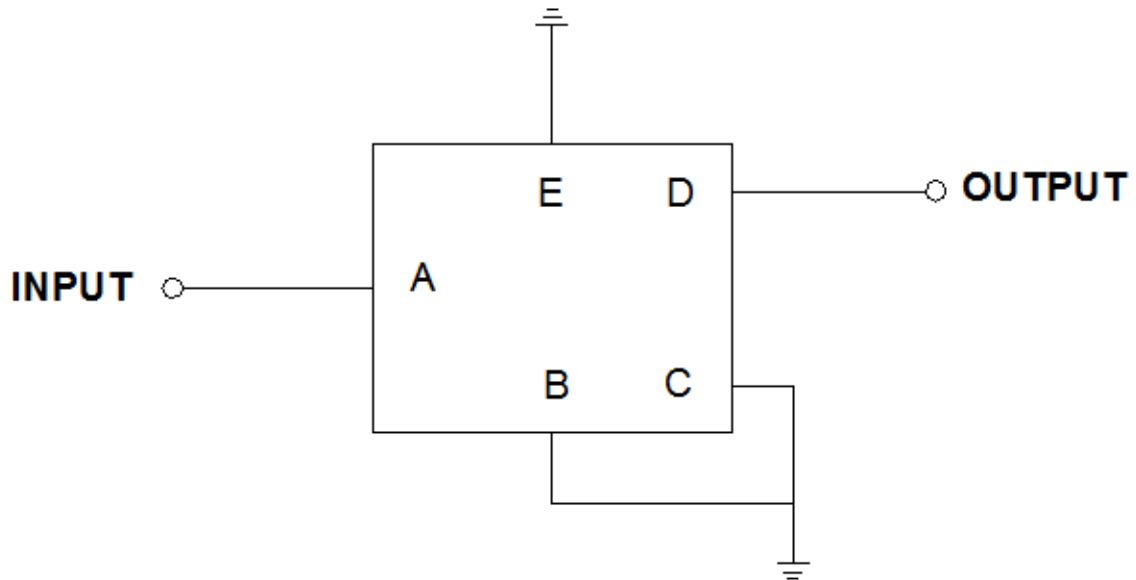
### 3. Smith Chart



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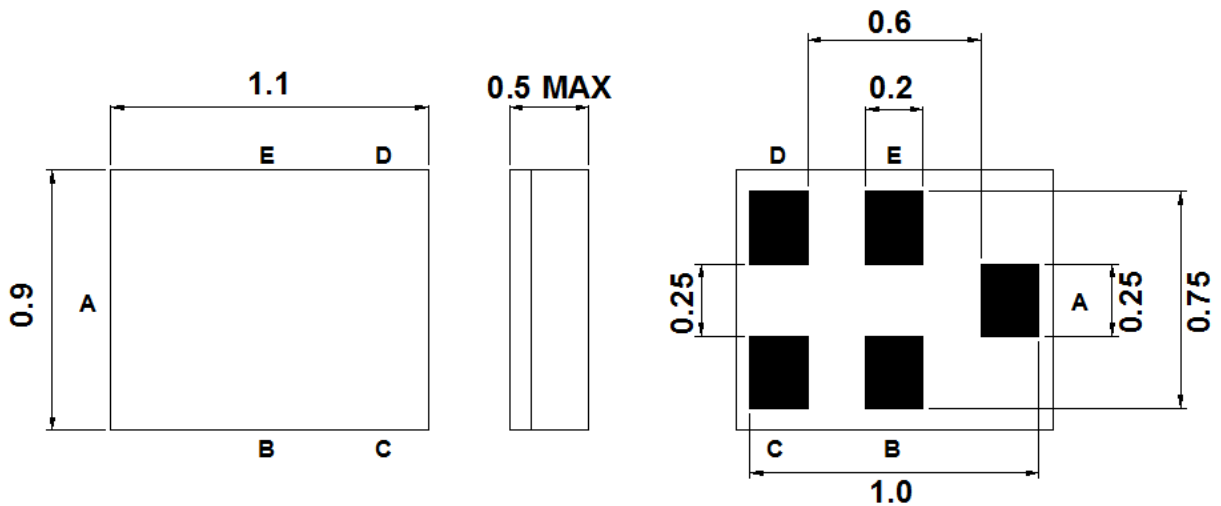
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**D. MEASUREMENT CIRCUIT:**



Source & Load Impedance: 50  $\Omega$

**E. OUTLINE DRAWING:**



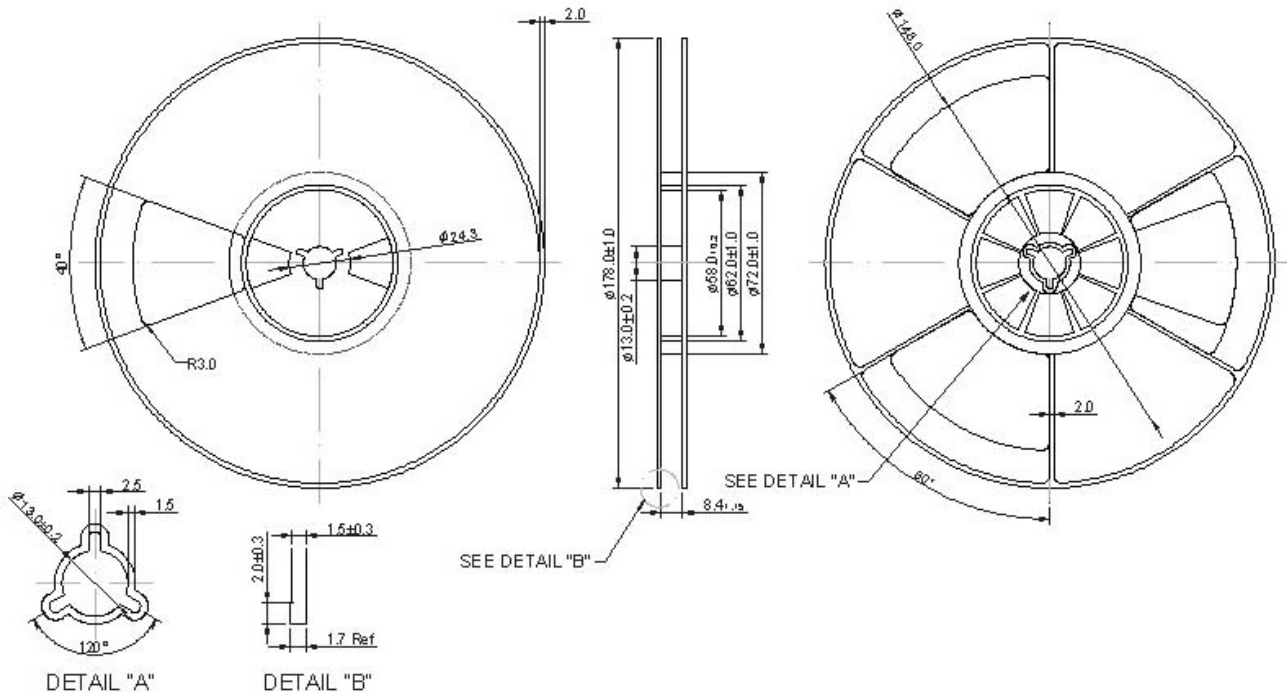
B, C, E: Ground  
A: Input  
D: Output

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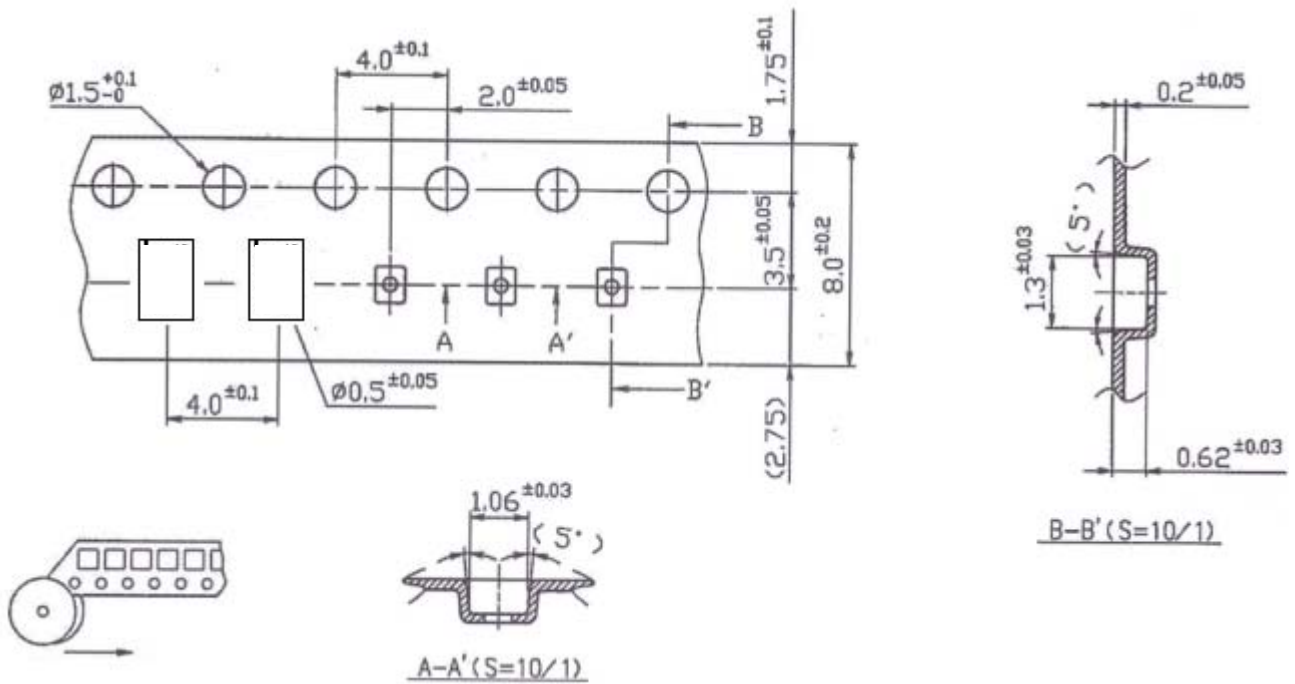
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**F. PACKING:**

1. Reel Dimension



2. Tape Dimension



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**G. 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.

