

**SAW Filter 1687.5MHz**  
**Part No: MP02893**

**Model: TA0872A**  
**Rev No: 1**

**A. MAXIMUM RATING:**

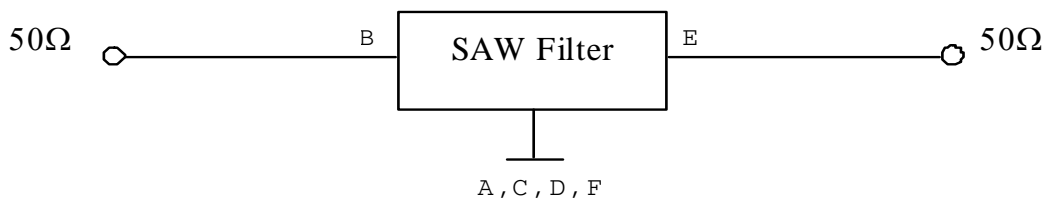
1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -30°C to +80°C
4. Storage Temperature: -40°C to +85°C

**B. ELECTRICAL CHARACTERISTICS:**

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	1687.5	-	-
Insertion Loss (1675.5 ~ 1699.5MHz) IL	dB	-	3.3	4	-
Amplitude Ripple (1675.5 ~ 1699.5MHz)	dB	-	0.5	1.7	-
Return Loss (1675.5 ~ 1699.5MHz)	dB	9	11	-	-
Group delay ripple (1675.5 ~ 1699.5MHz)	ns	-	6	20	-
Attenuation (Reference level from 0dB)					
100 ~ 1605MHz	dB	40	45	-	-
1800 ~ 2100MHz	dB	40	43	-	-
2100 ~ 2700MHz	dB	38	41	-	-

**C. MEASUREMENT CIRCUIT:**

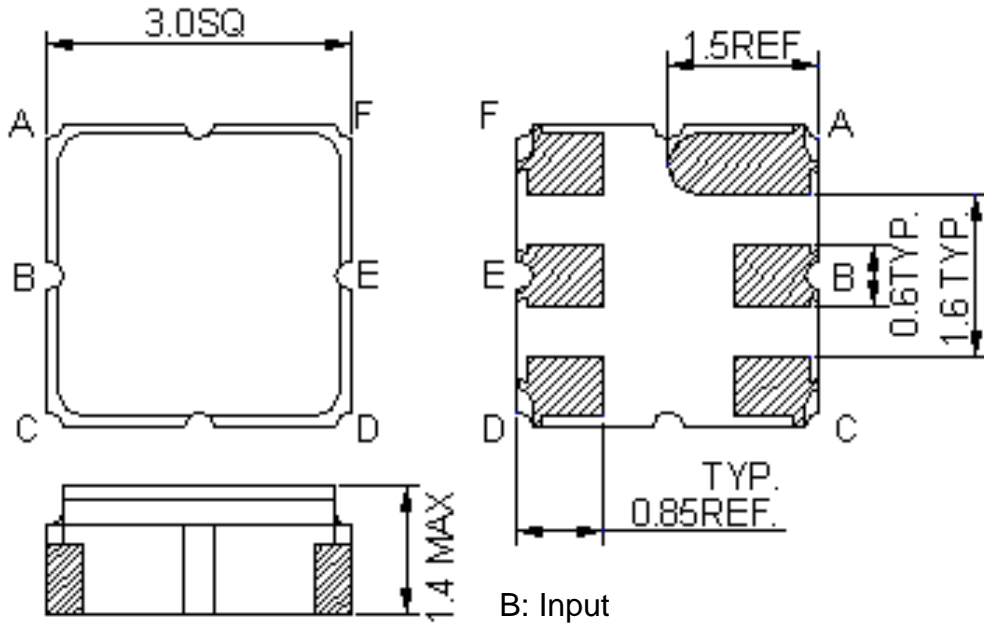
HP Network analyzer



**SAW Filter 1687.5MHz**  
**Part No: MP02893**

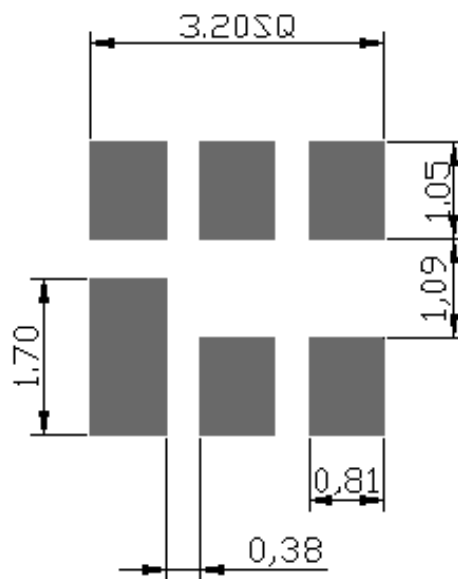
**Model: TA0872A**  
**Rev No: 1**

**D. OUTLINE DRAWING:**



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

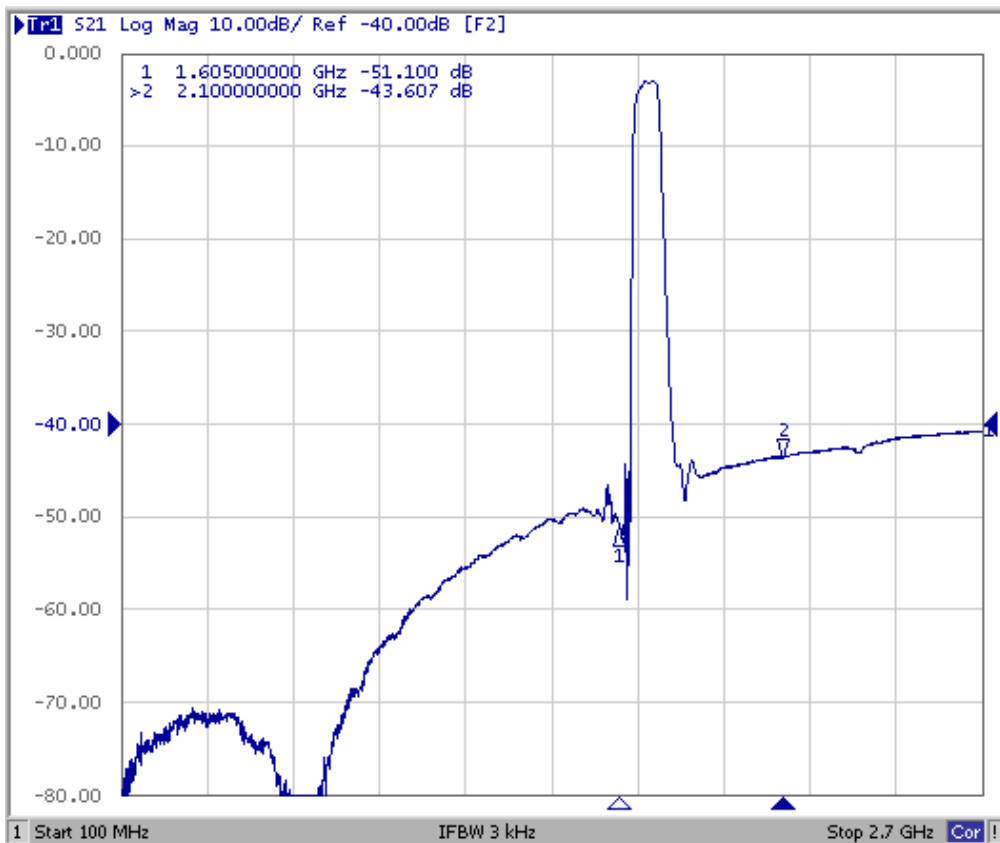
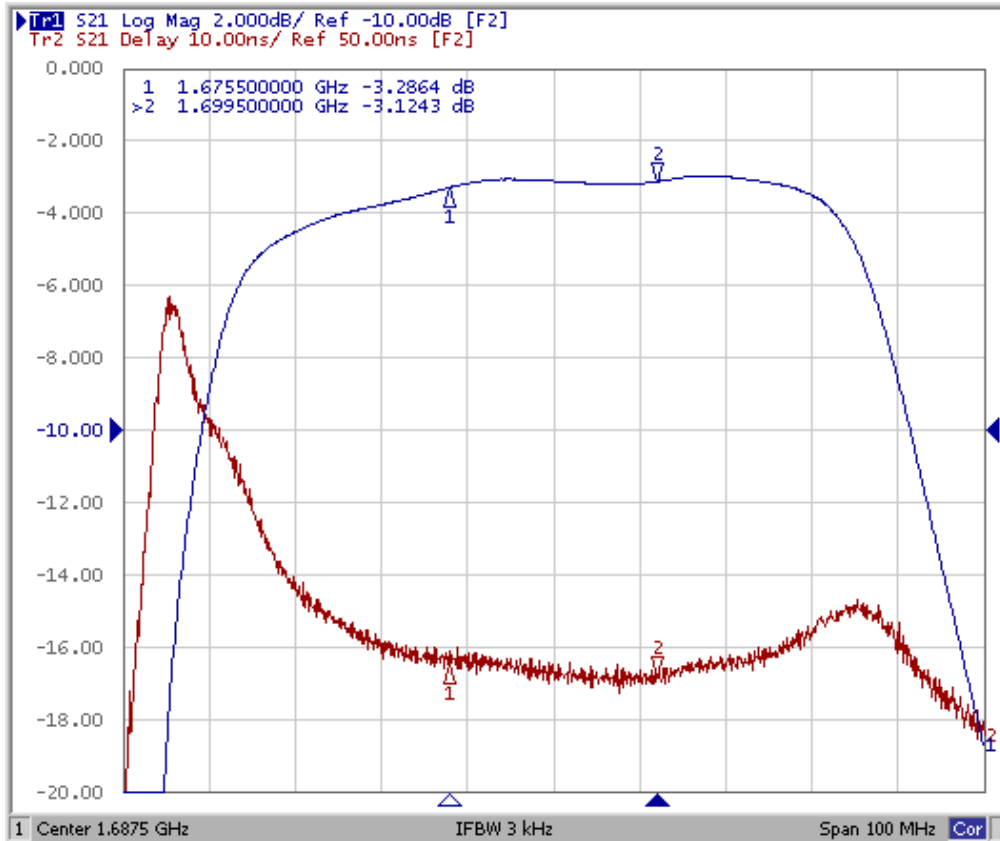
**E. PCB FOOTPRINT:**



**SAW Filter 1687.5MHz**  
**Part No: MP02893**

**Model: TA0872A**  
**Rev No: 1**

**F. FREQUENCY CHARACTERISTICS:**

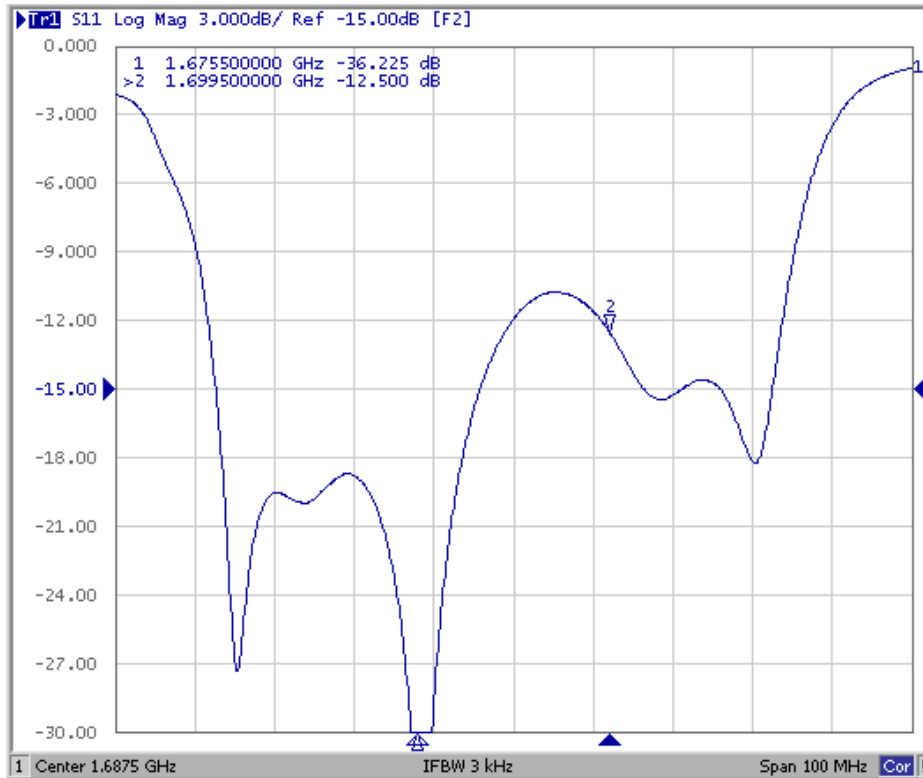


**SAW Filter 1687.5MHz**  
**Part No: MP02893**

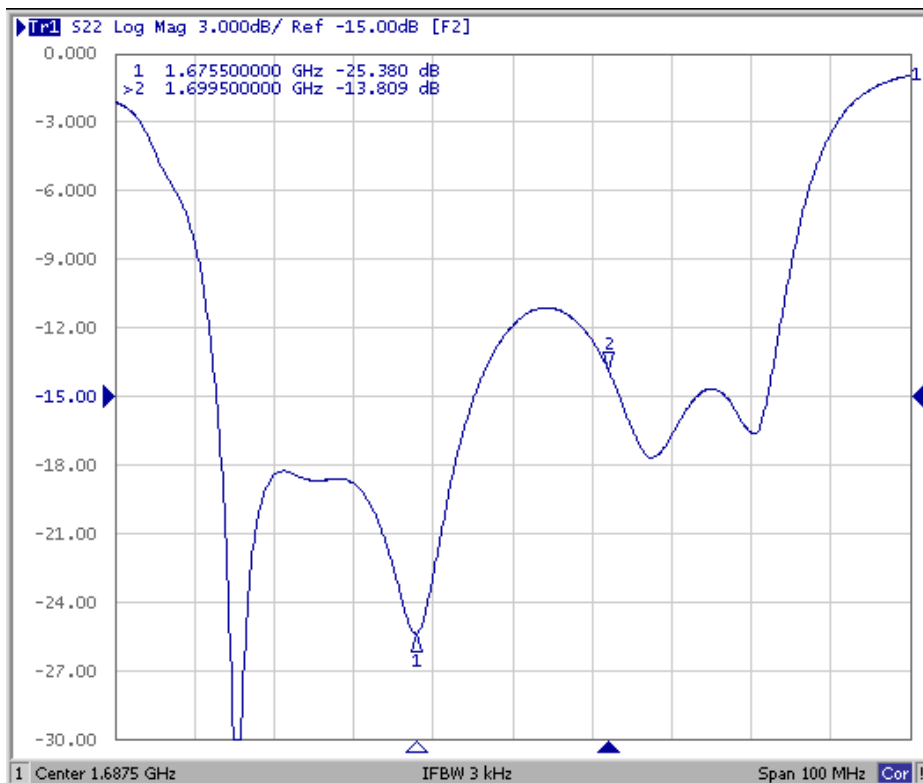
**Model: TA0872A**  
**Rev No: 1**

Reflection Functions

S11



S22



**SAW Filter 1687.5MHz**

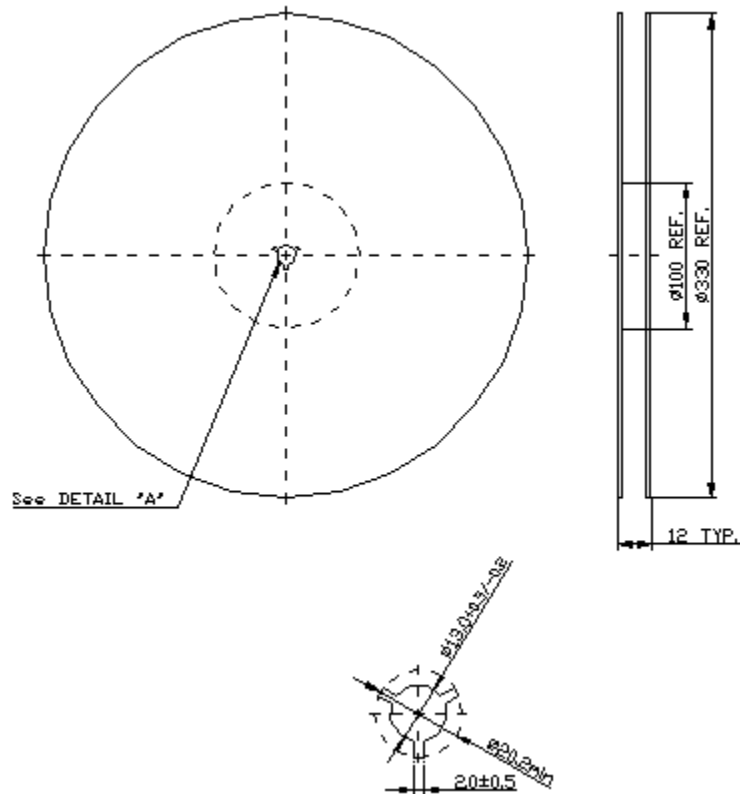
**Model: TA0872A**

**Part No: MP02893**

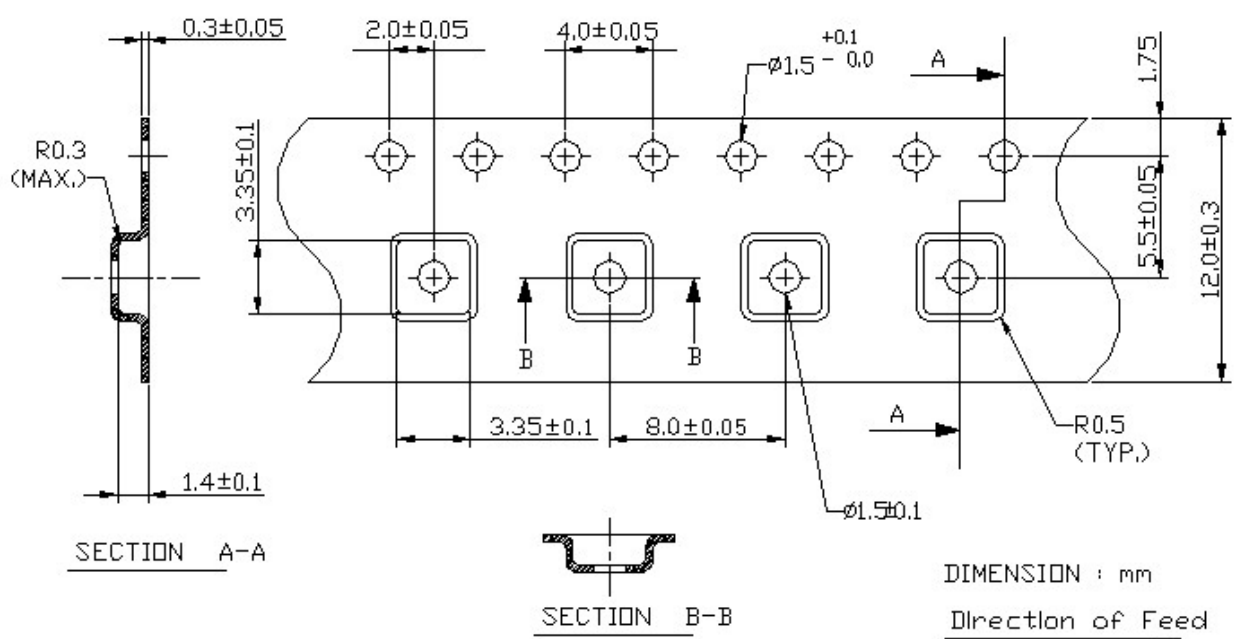
**Rev No: 1**

**G. PACKING:**

1. Reel Dimension (Reel Count: 7" = 1000; 13" = 3000)



2. Tape Dimension



**SAW Filter 1687.5MHz**  
**Part No: MP02893**

**Model: TA0872A**  
**Rev No: 1**

**H. RECOMMENDED REFLOW PROFILE:**

