

**SAW Filter 1864.0MHz**  
**Part No: MP08088**

**Model: TA1475A**  
**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: -50°C to +125°C

**B. CHARACTERISTICS:**

1. Terminating source impedance (differential):  $Z_S = 150\Omega // 18nH$
2. Terminating load impedance (differential):  $Z_L = 150\Omega // 18nH$

Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	1864	-
Insertion loss (1844 ~ 1884MHz) IL	dB	-	3.1	5
Amplitude ripple (1844 ~ 1884MHz)	dB	-	1.1	2
VSWR (1844 ~ 1884MHz)	-	-	2.2	2.5
Group delay ripple (1844 ~ 1884MHz)	ns	-	11	25
Attenuation (reference from 0dB)				
10 ~ 862MHz	dB	50	55	-
862 ~ 1100MHz	dB	46	54	-
1100 ~ 1655.5MHz	dB	40	54	-
1655.5 ~ 1771.3MHz	dB	33	49	-
1956.3 ~ 2072.1MHz	dB	40	54	-
2072.1 ~ 3000MHz	dB	35	45	-
3000 ~ 6000MHz	dB	15	31	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-

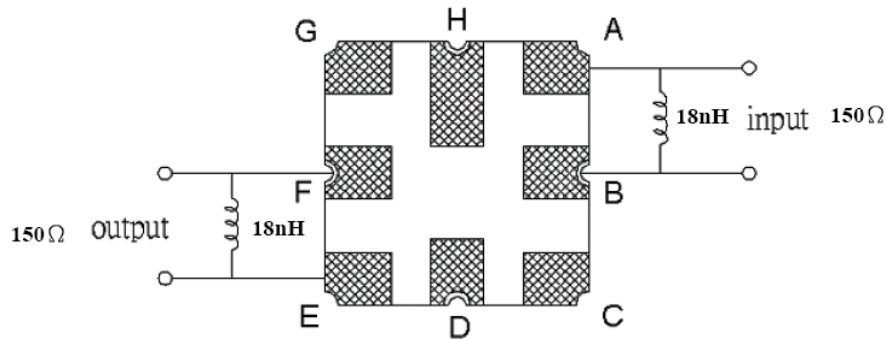
**SAW Filter 1864.0MHz**

**Model: TA1475A**

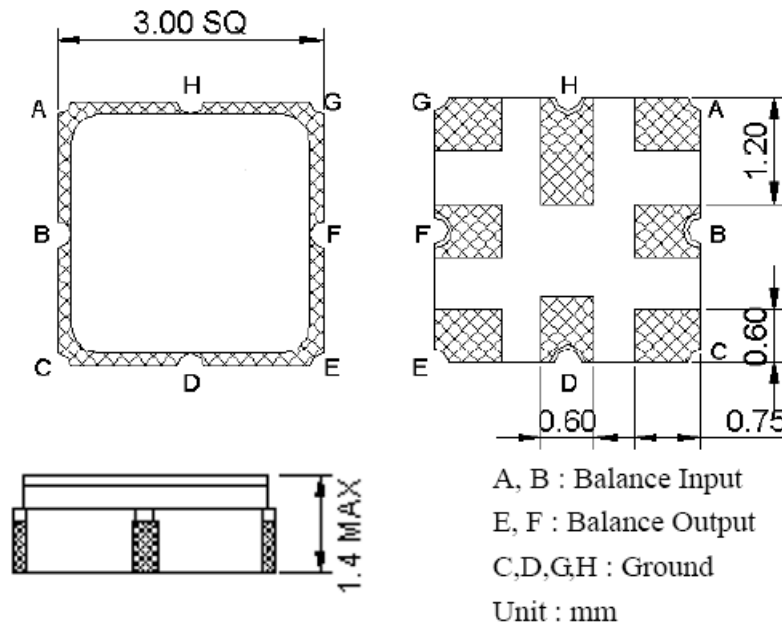
**Part No: MP08088**

**Rev No: 1**

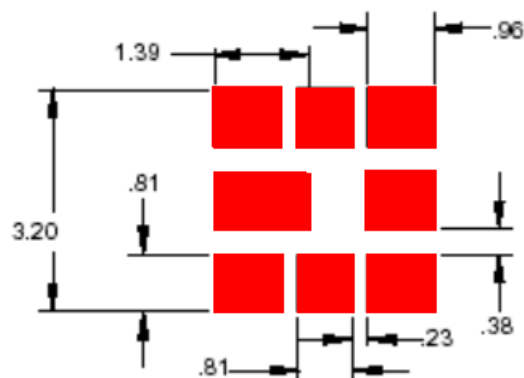
**C. MEASUREMENT CIRCUIT:**



**D. OUTLINE DRAWING:**



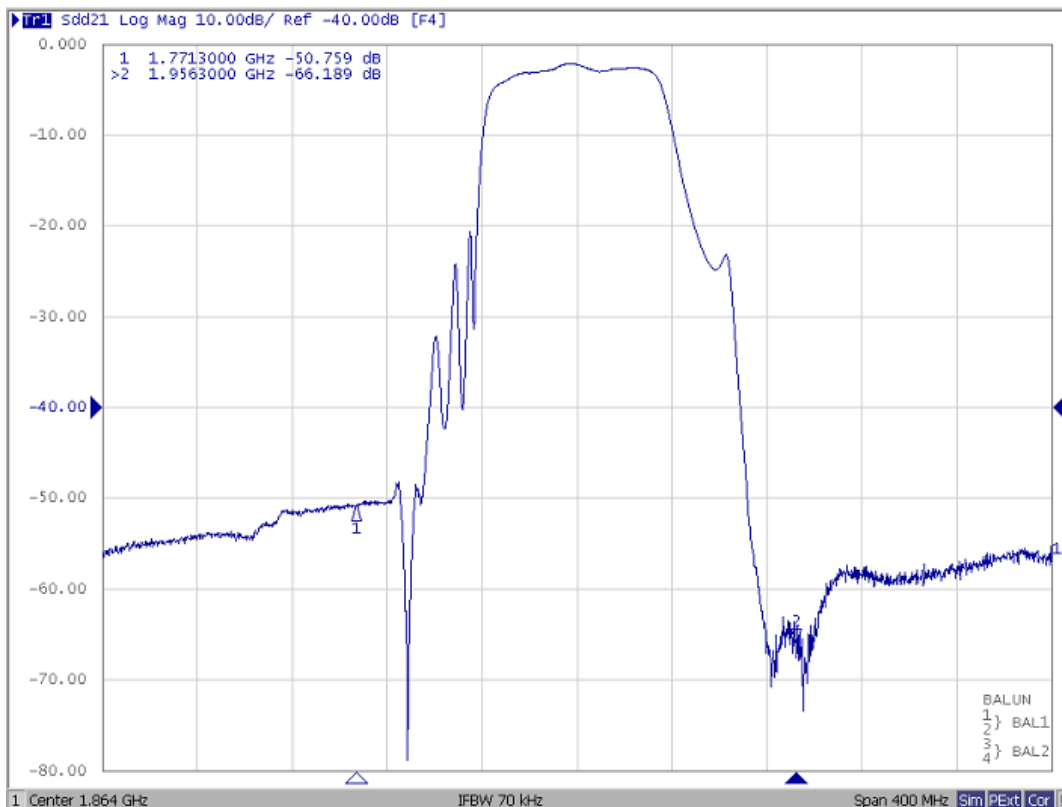
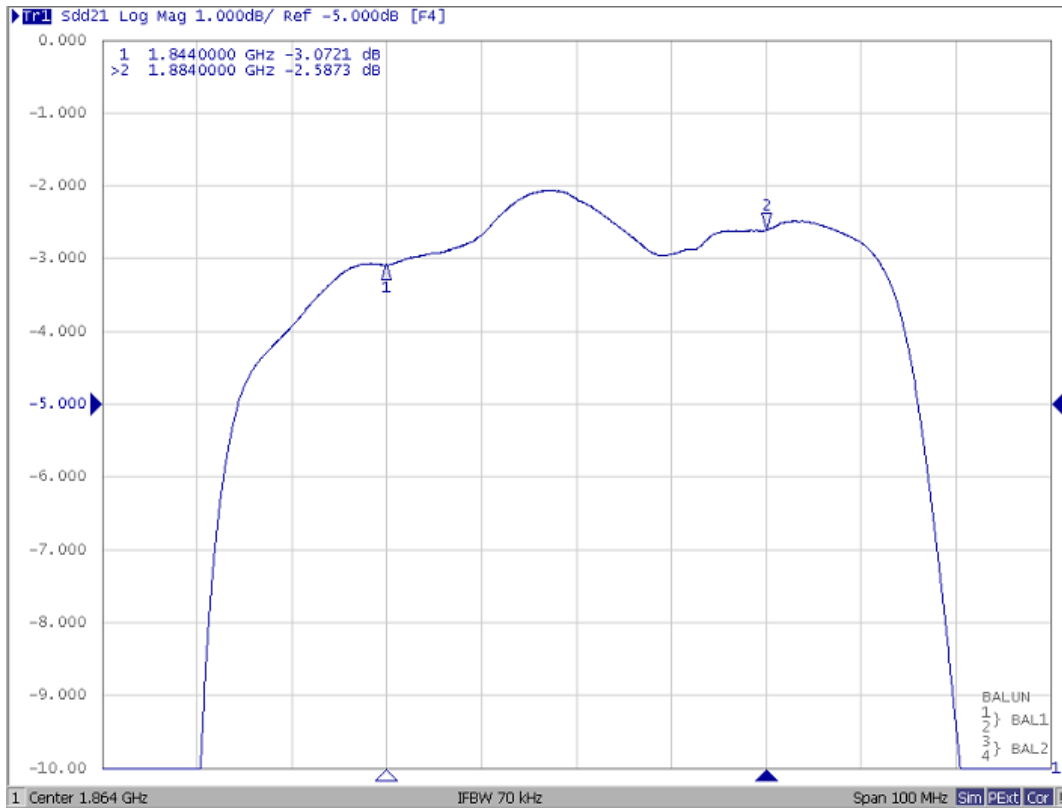
**E. PCB FOOTPRINT:**



**SAW Filter 1864.0MHz**  
**Part No: MP08088**

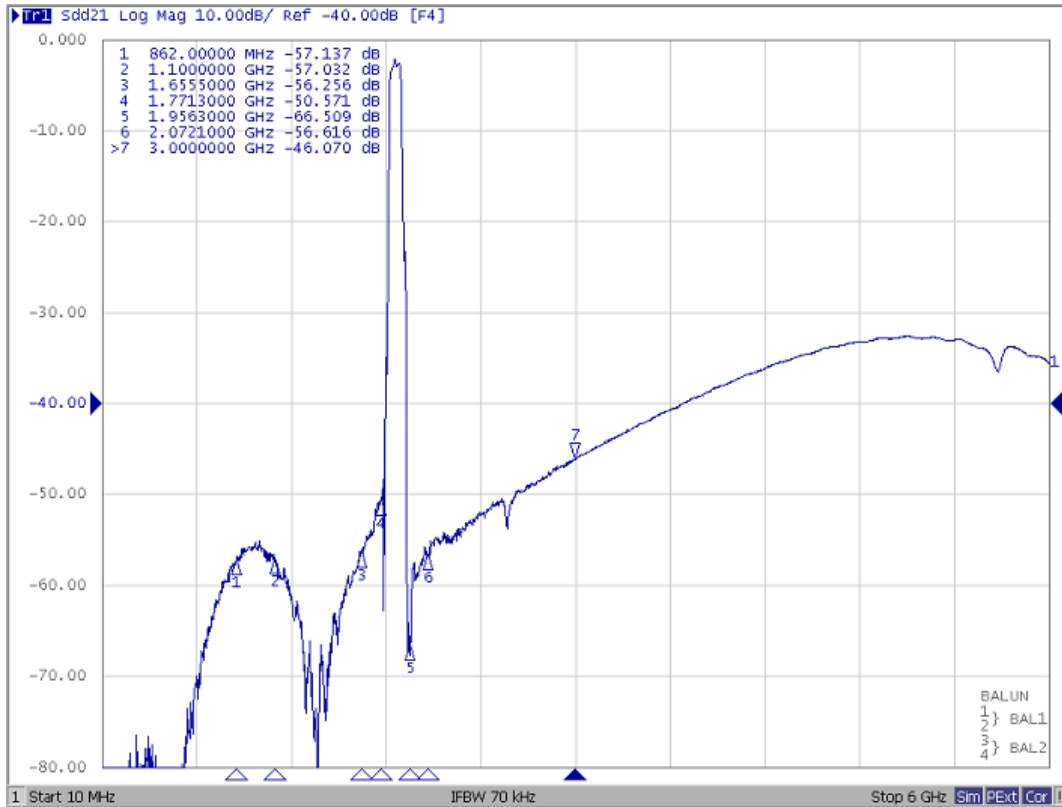
**Model: TA1475A**  
**Rev No: 1**

**F. FREQUENCY CHARACTERISTICS:**



**SAW Filter 1864.0MHz**  
**Part No: MP08088**

**Model: TA1475A**  
**Rev No: 1**

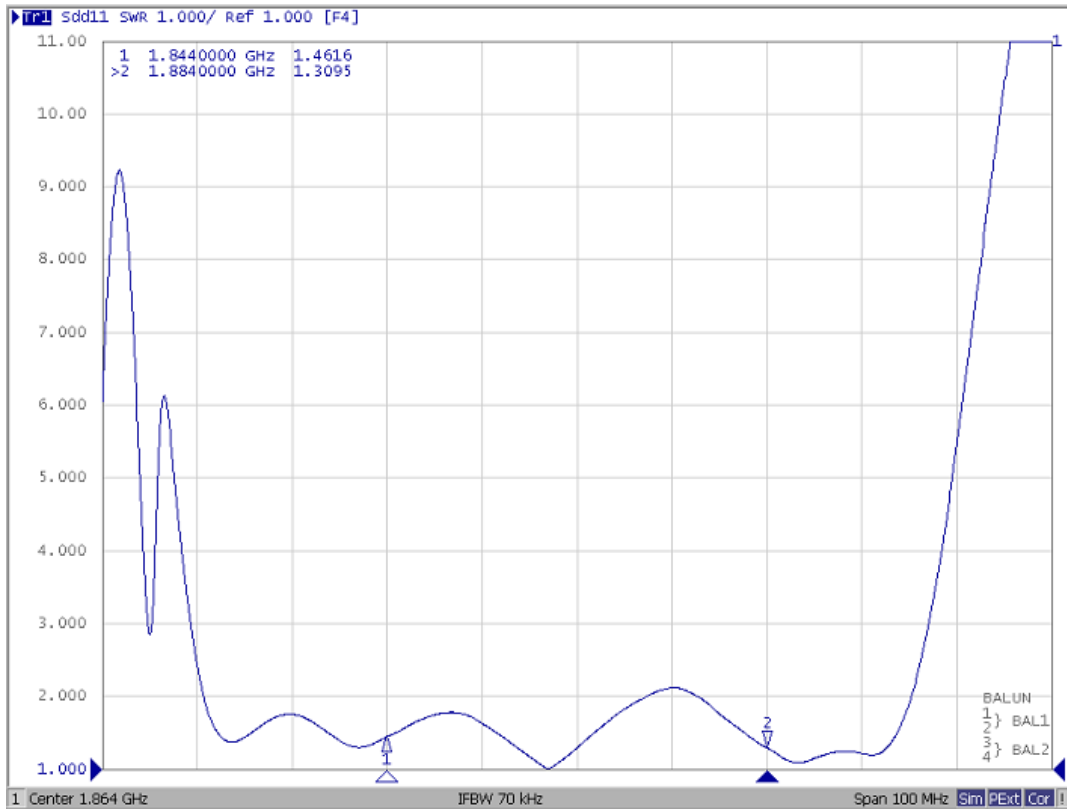


**SAW Filter 1864.0MHz**  
**Part No: MP08088**

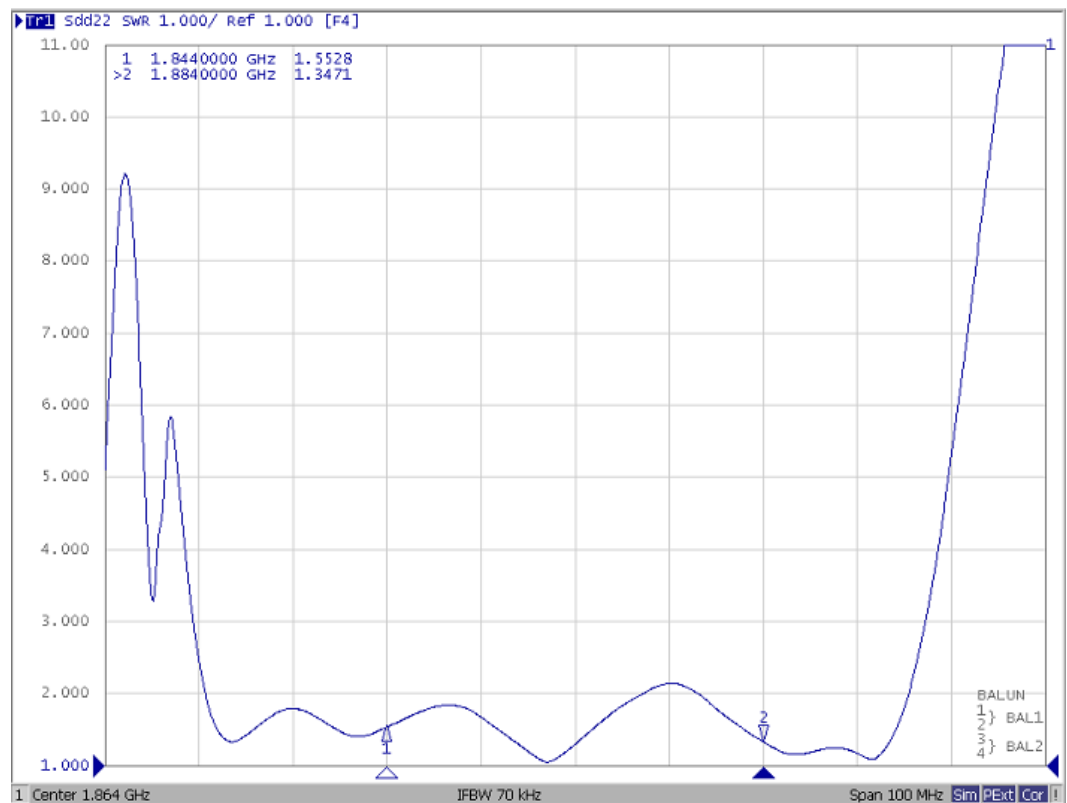
**Model: TA1475A**  
**Rev No: 1**

Reflection Functions:

S11



S22

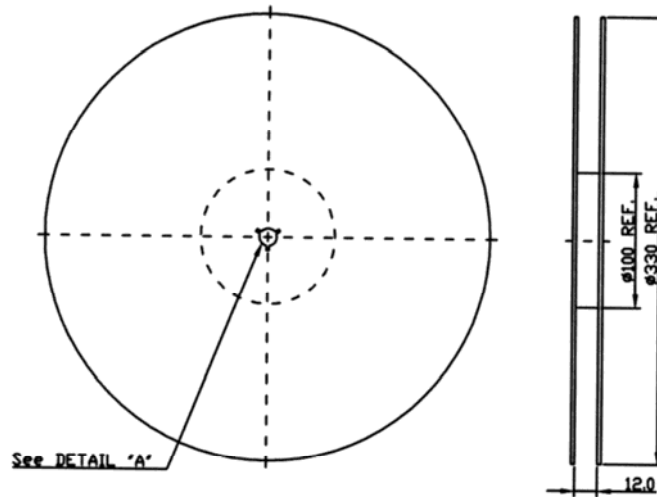


**SAW Filter 1864.0MHz**  
**Part No: MP08088**

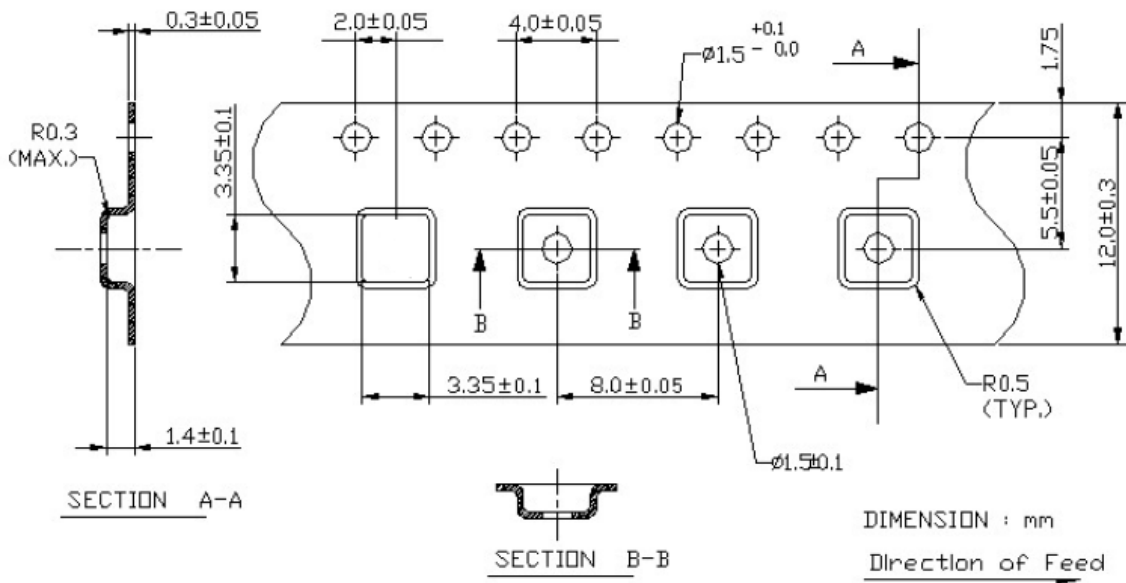
**Model: TA1475A**  
**Rev No: 1**

**G. PACKING:**

1. Reel Dimension



2. Tape Dimension



**SAW Filter 1864.0MHz**  
**Part No: MP08088**

**Model: TA1475A**  
**Rev No: 1**

**H. RECOMMENDED REFLOW PROFILE:**

