

**SAW Filter 1642.50MHz**  
**Part No: MP04219**

**Model: TA1307A**  
**Rev No: 1**

**A. MAXIMUM RATING:**

1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -20°C to +75°C
4. Storage Temperature: -40°C to +85°C

**B. ELECTRICAL CHARACTERISTICS:**

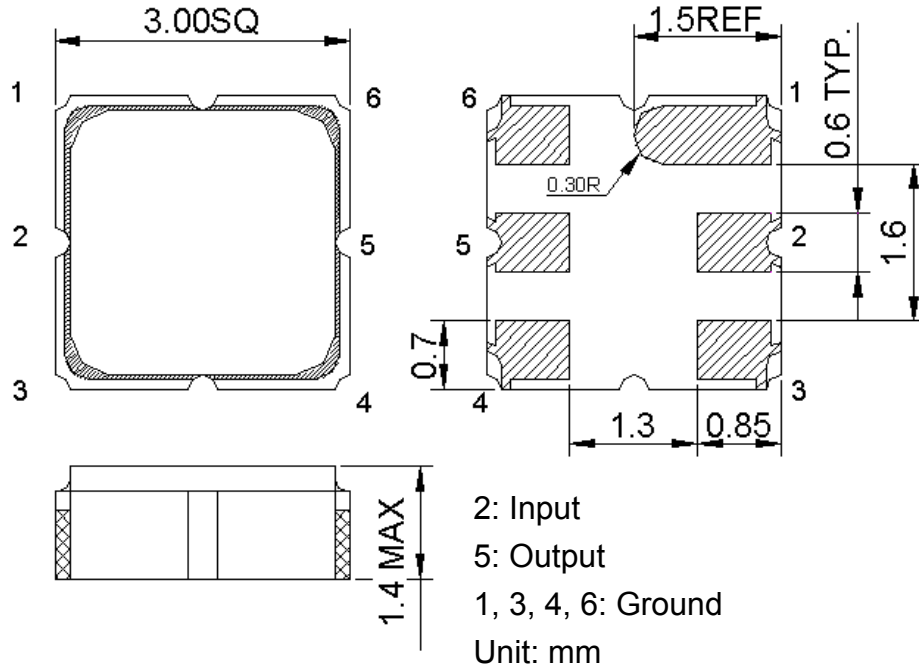
1. Terminating source impedance (single ended):  $Z_S = 50\Omega$
2. Terminating load impedance (single ended):  $Z_L = 50\Omega$

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	1642.5	-	-
Insertion Loss (1625 ~ 1660MHz)	dB	-	1.8	3.5	-
Amplitude ripple (1625 ~ 1660MHz)	dB	-	0.7	2	-
VSWR (1625 ~ 1660MHz)		-	1.7	2.3	-
Attenuation (reference level from 0dB)					
DC ~ 1500MHz	dB	21	29	-	-
1525 ~ 1559MHz	dB	30	36	-	-
1700 ~ 2050MHz	dB	30	32	-	-
2050 ~ 3500MHz	dB	25	32	-	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-	-

**SAW Filter 1642.50MHz**  
**Part No: MP04219**

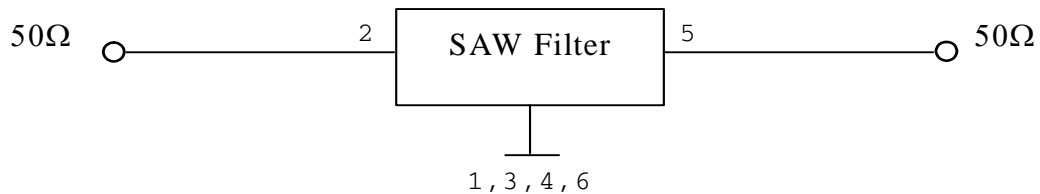
**Model: TA1307A**  
**Rev No: 1**

**C. OUTLINE DRAWING:**

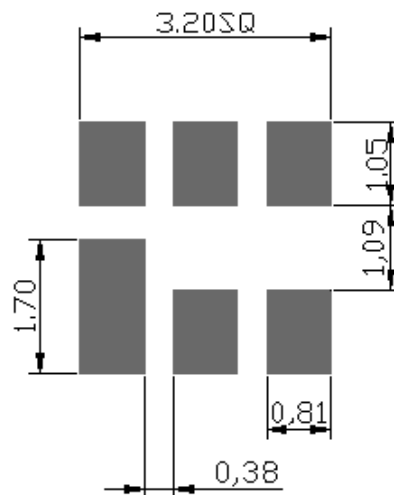


**D. MEASUREMENT CIRCUIT:**

HP Network analyzer



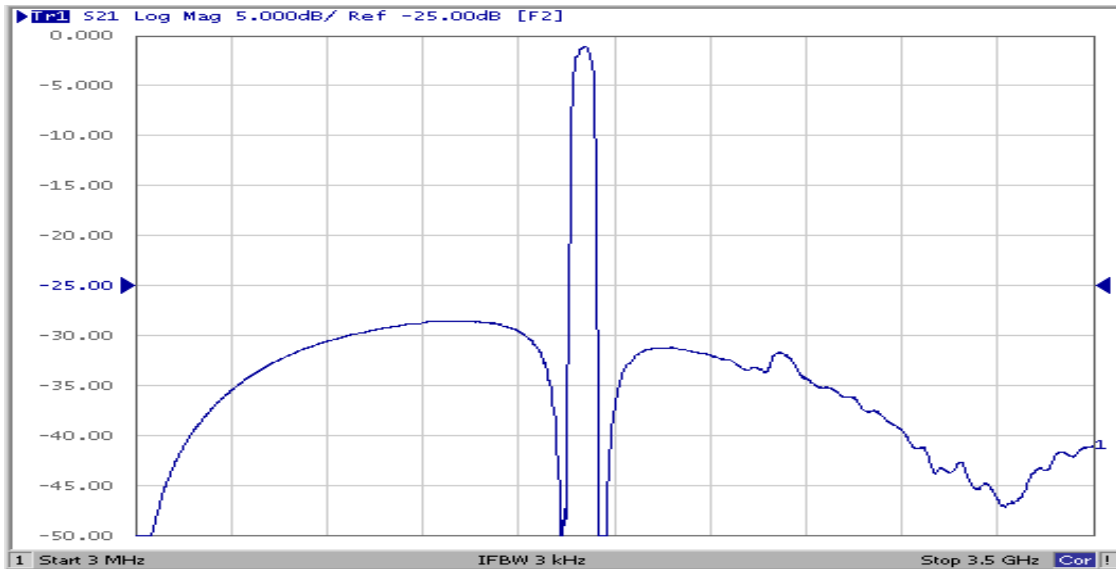
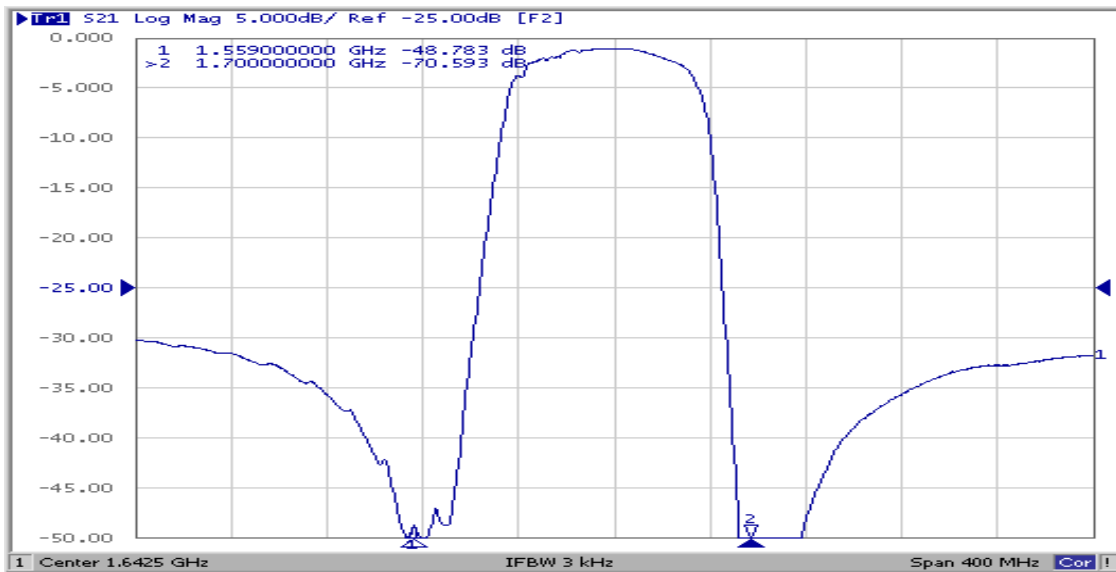
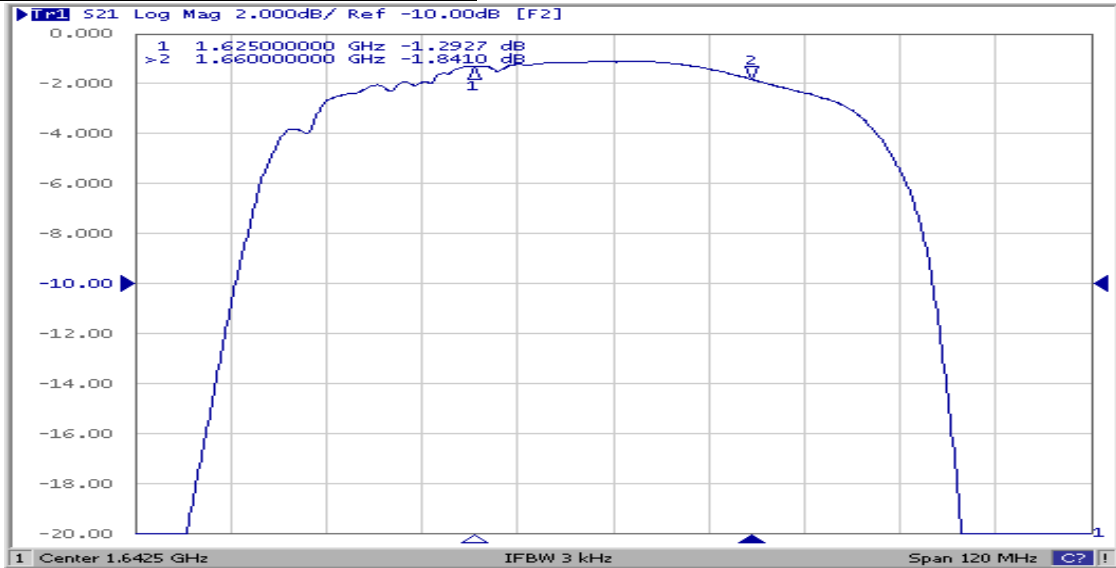
**E. PCB FOOTPRINT:**



**SAW Filter 1642.50MHz**  
**Part No: MP04219**

**Model: TA1307A**  
**Rev No: 1**

**F. FREQUENCY CHARACTERISTICS:**

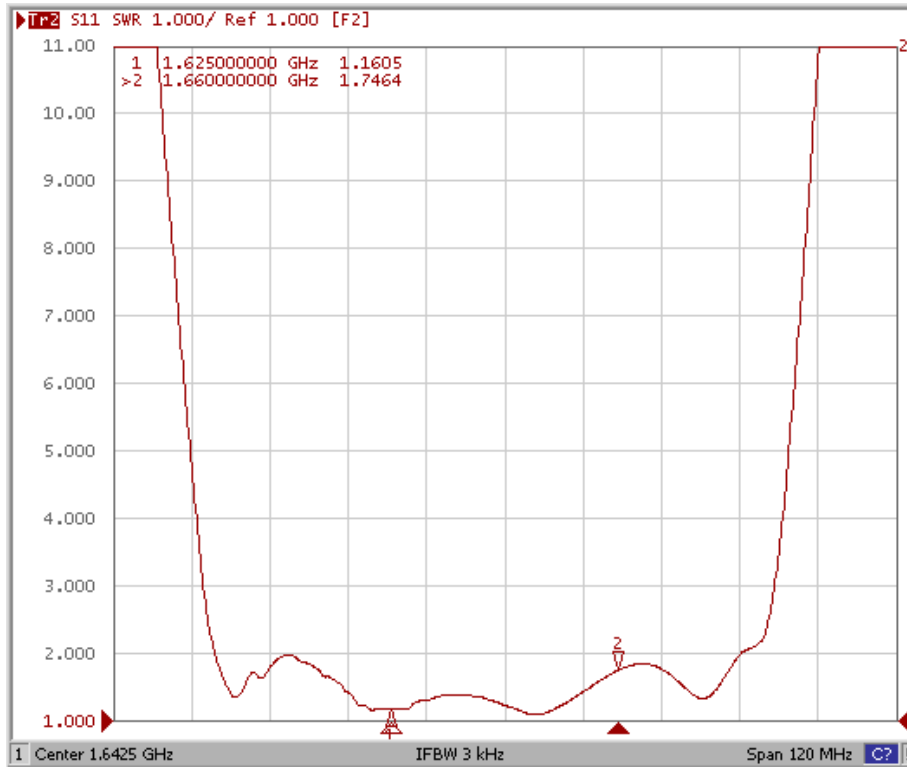


**SAW Filter 1642.50MHz**  
**Part No: MP04219**

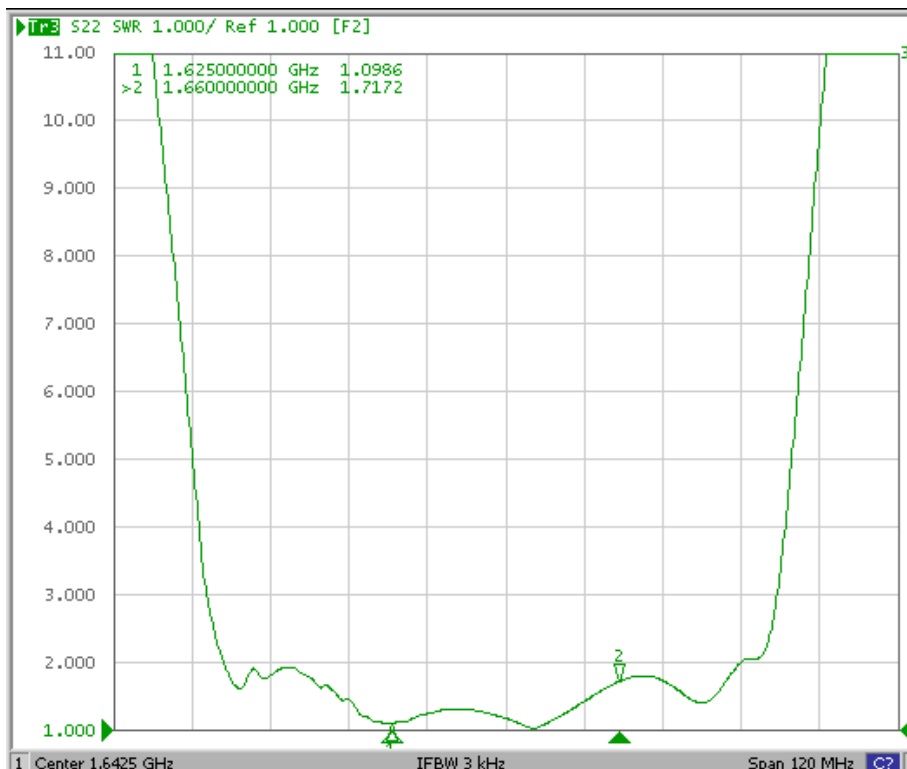
**Model: TA1307A**  
**Rev No: 1**

Reflection Functions

S11



S22

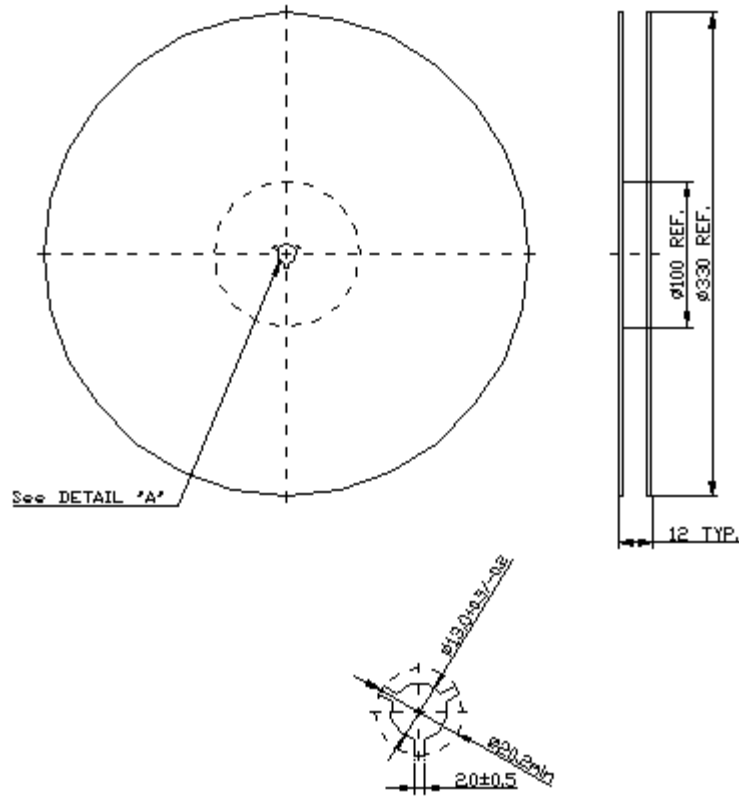


**SAW Filter 1642.50MHz**  
**Part No: MP04219**

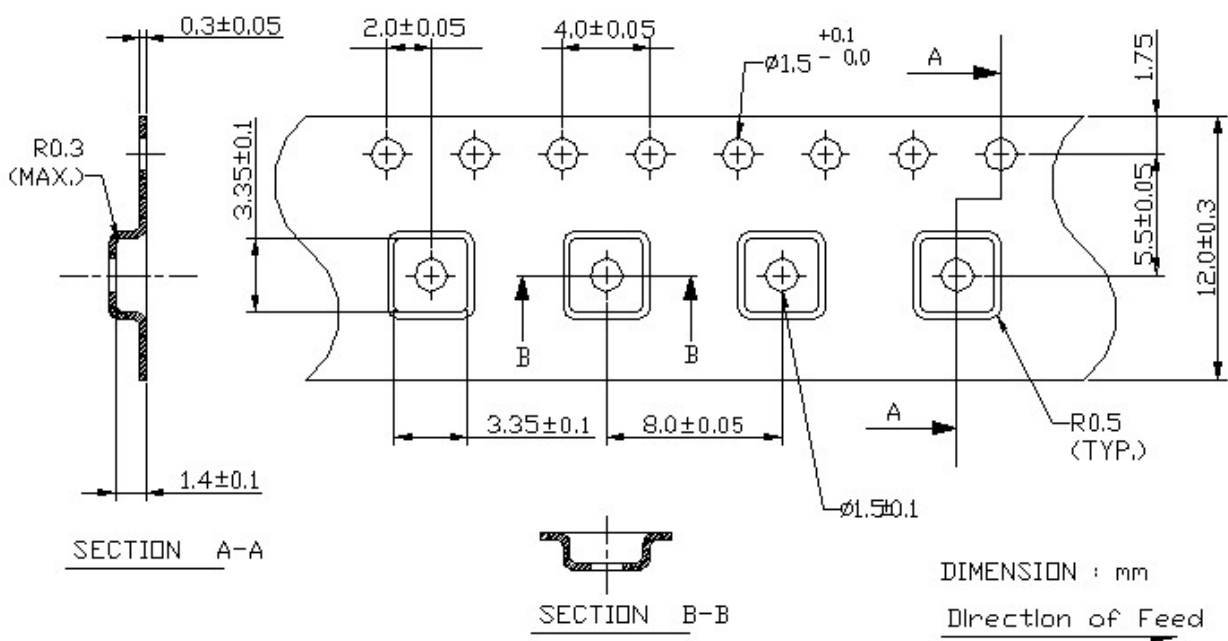
**Model: TA1307A**  
**Rev No: 1**

**G. PACKING:**

1. Reel Dimension



2. Tape Dimension



**SAW Filter 1642.50MHz**  
**Part No: MP04219**

**Model: TA1307A**  
**Rev No: 1**

**H. RECOMMENDED REFLOW PROFILE:**

