

**SAW Filter 1472.0MHz**  
**Part No: MP07906**

**Model: TA1327B**  
**Rev No: 1**

**A. MAXIMUM RATING:**

Electrostatic Sensitive Device (ESD)

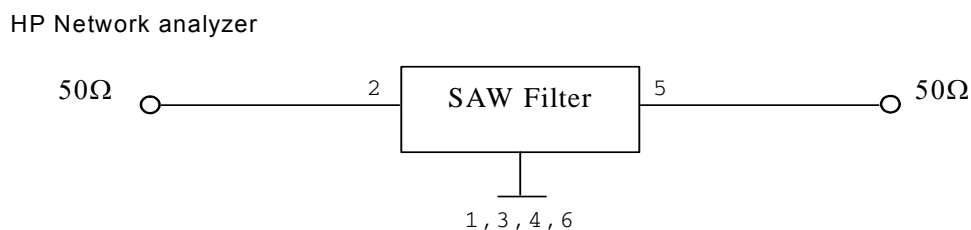
1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -40°C to +90°C
4. Storage Temperature: -40°C to +90°C

**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 $F_c$	MHz	-	1472	-	-
Insertion Loss (1452 ~ 1492MHz)	dB	-	2	2.7	-
Amplitude ripple (1452 ~ 1492MHz)	dB	-	0.5	1.5	-
VSWR (1452 ~ 1492MHz)		-	1.9	2.3	-
Attenuation (reference level from 0dB)					
DC ~ 1200MHz	dB	38	42	-	-
1200 ~ 1398MHz	dB	25	29	-	-
1398 ~ 1410MHz	dB	24	27	-	-
1547 ~ 1590MHz	dB	20	22	-	-
1590 ~ 2500MHz	dB	25	28	-	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-	-

**C. MEASUREMENT CIRCUIT:**



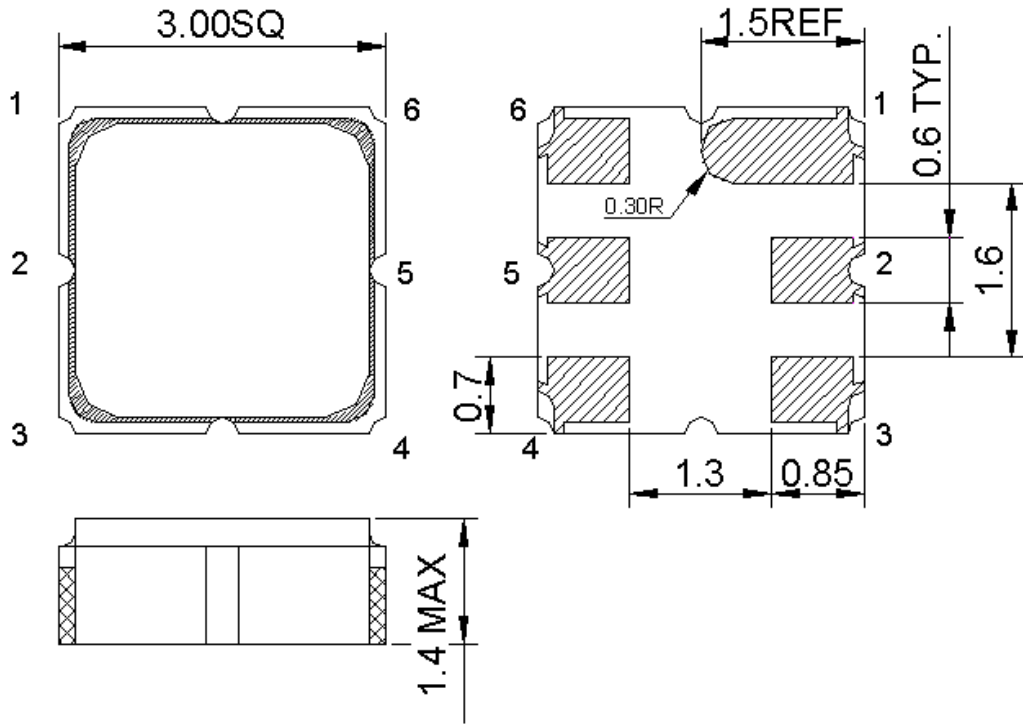
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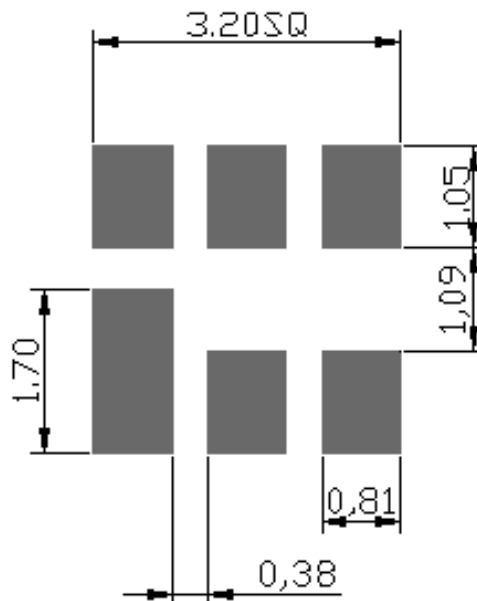
**Rev No: 1**

**D. OUTLINE DRAWING:**



2: Input  
5: Output  
1, 3, 4, 6: Ground  
Unit: mm

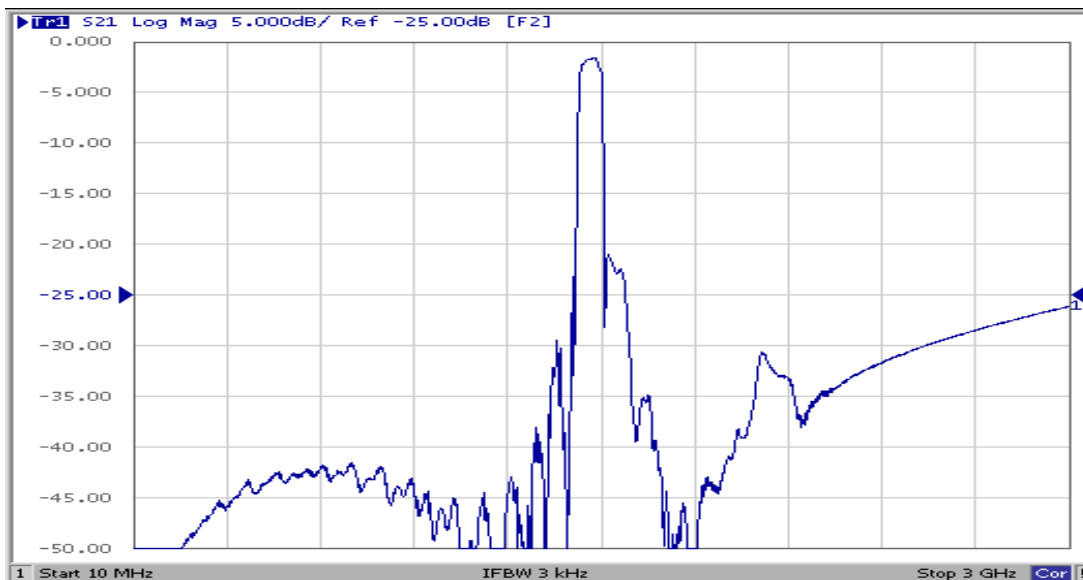
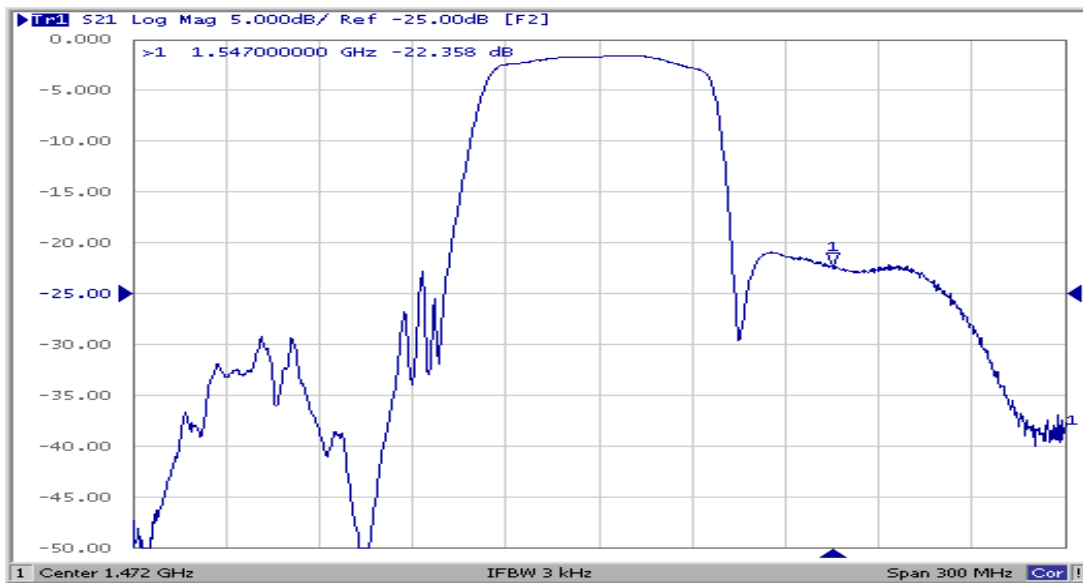
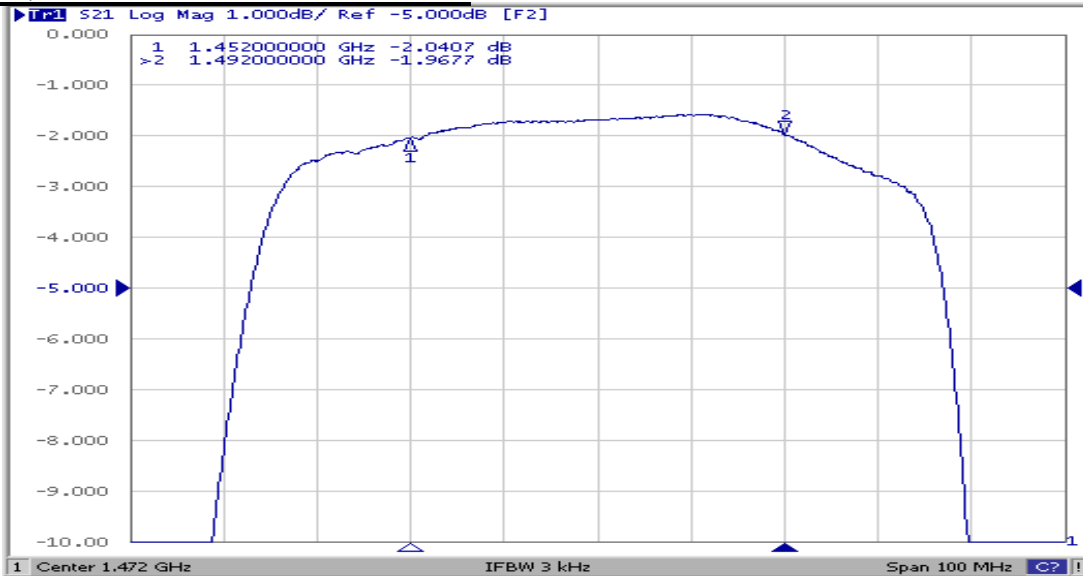
**E. PCB FOOTPRINT:**



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**F. FREQUENCY CHARACTERISTICS:**

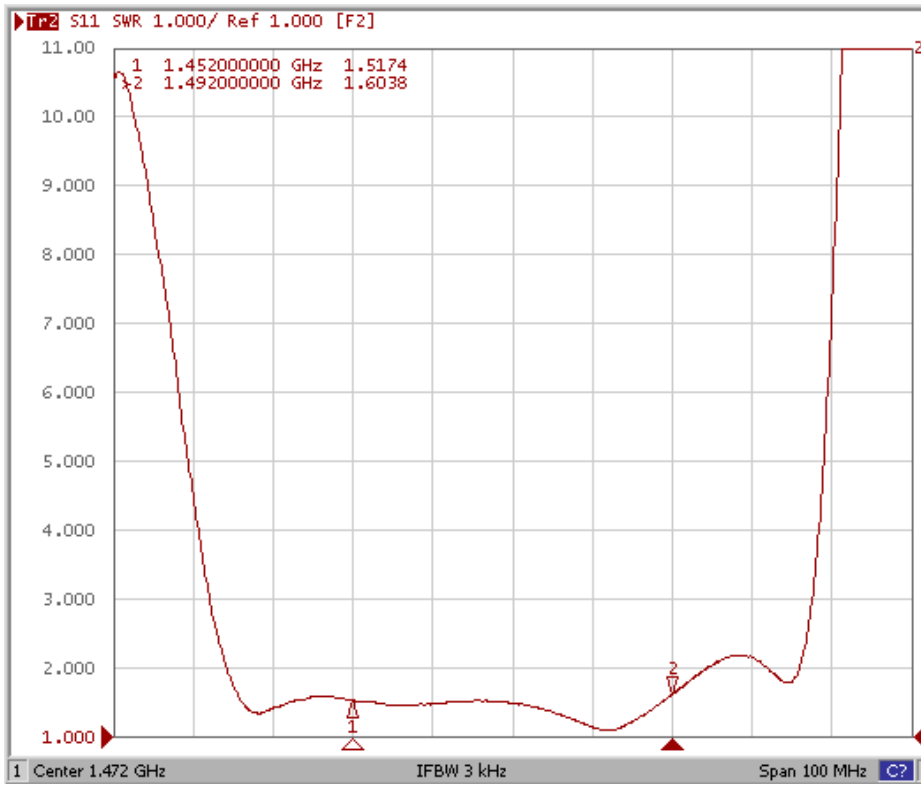


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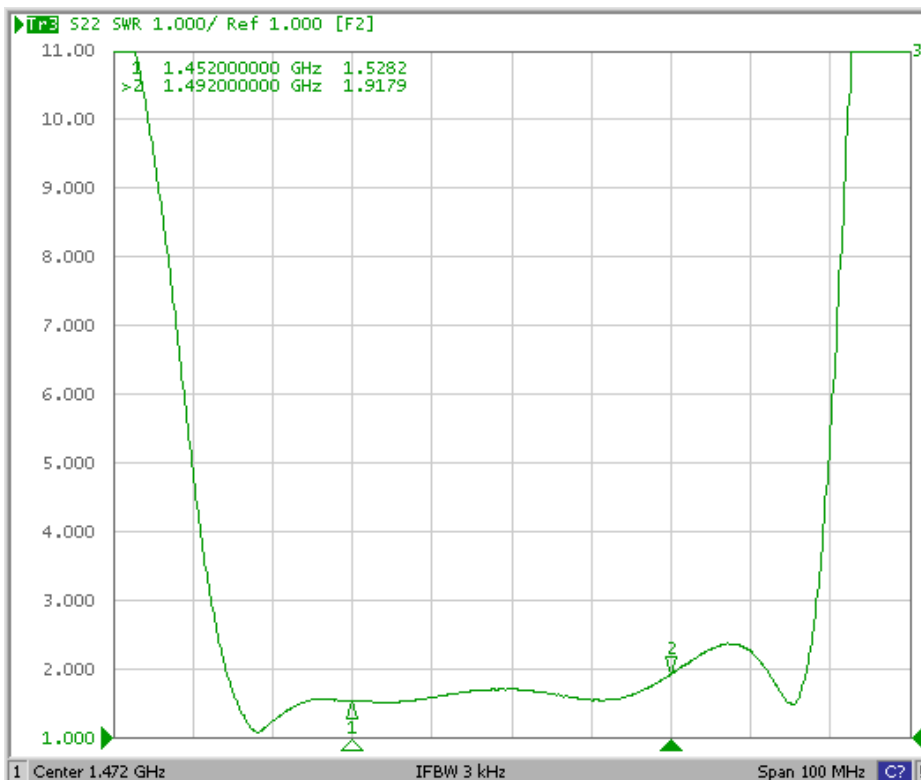
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1. Reflection Functions

S11



S22





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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°C peak (min. 10 sec).
4. Time: 2 times.

