

**SAW Filter 950.750MHz**  
**Part No: MP09832**

**Model: TA2643A**  
**Rev No: 1**

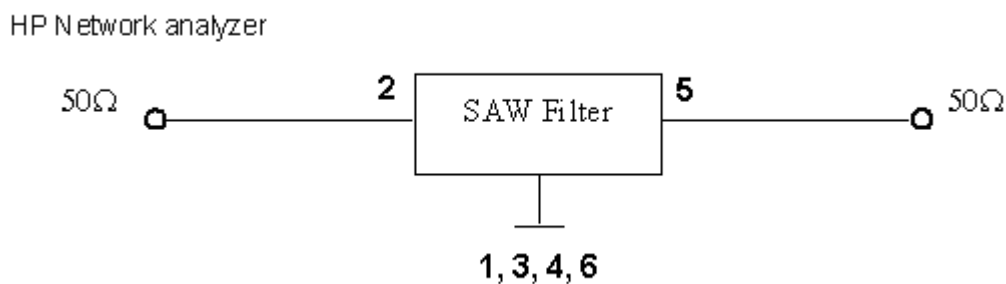
**A. MAXIMUM RATING:**

1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitivity Level: Level 1 (MSL1)

**B. ELECTRICAL CHARACTERISTICS:**

Item	Unit	Min.	Typ.	Max.
Center Frequency	MHz	-	950.75	-
Insertion loss (941.5 ~ 960MHz)	dB		2.25	3.5
VSWR(941.5 ~ 960MHz)			1.76	2.0
Group Delay at Fc	ns		33.6	45
Group Delay ripple(941.5 ~ 960MHz)	ns		28.09	60
Amplitude ripple (941.5 ~ 960MHz)	dB	-	1.12	2.2
Attenuation (Reference level from 0dB)				
355 ~ 917MHz	dB	33	40	-
985 ~ 1555MHz	dB	35	45	
Temperature Coefficient of Frequency	ppm/k	-	-36	-

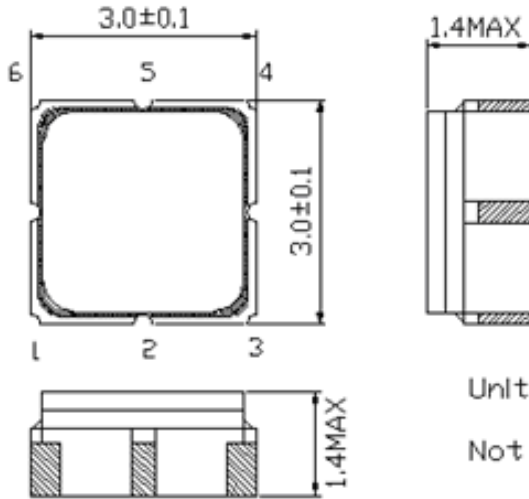
**C. MEASUREMENT CIRCUIT:**



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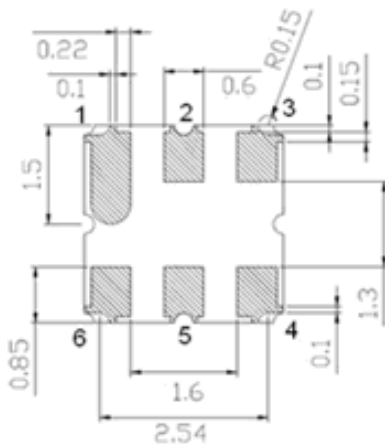
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**D. OUTLINE DRAWING:**



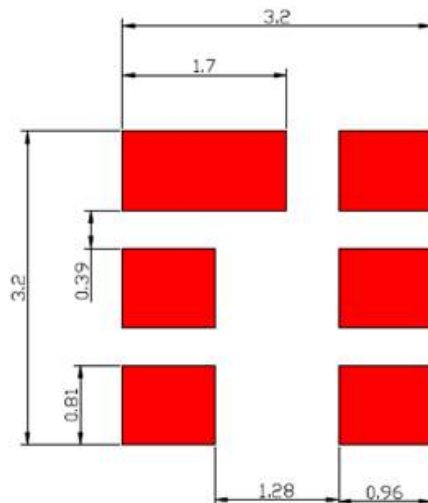
Unit : mm

Not Specified Tolerance : +/-0.15 mm



Pin No.	Symbol	Function
1	GND	Ground
2	IN	Input
3	GND	Ground
4	GND	Ground
5	OUT	Output
6	GND	Ground

**E. PCB FOOTPRINT:**

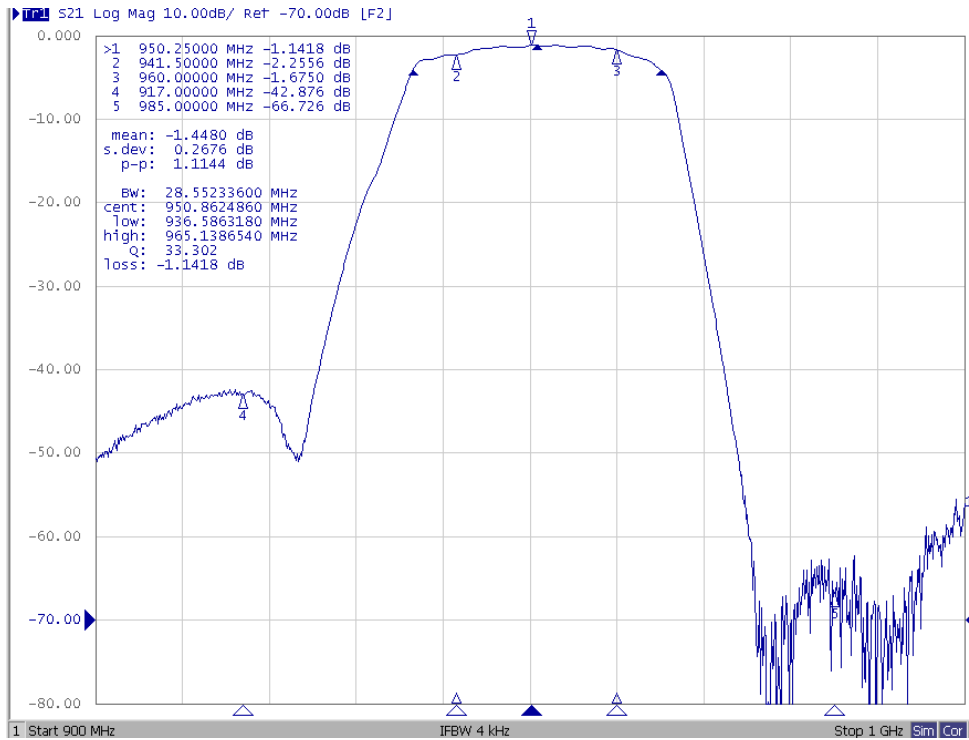


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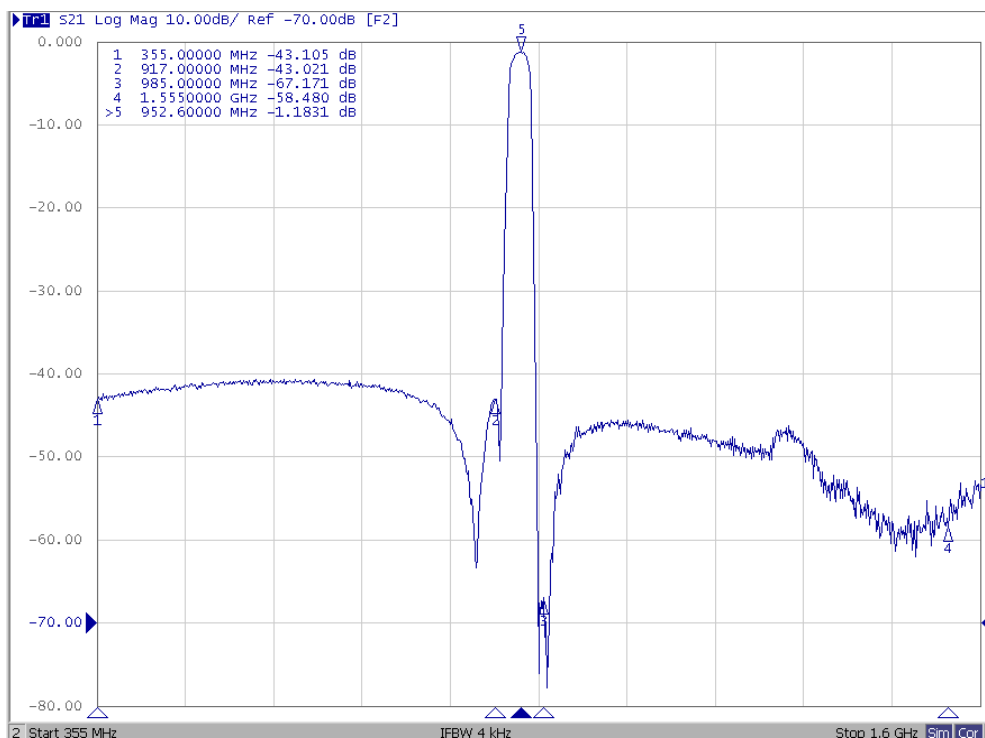
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**F. FREQUENCY CHARACTERISTICS:**

1. Span 100MHz



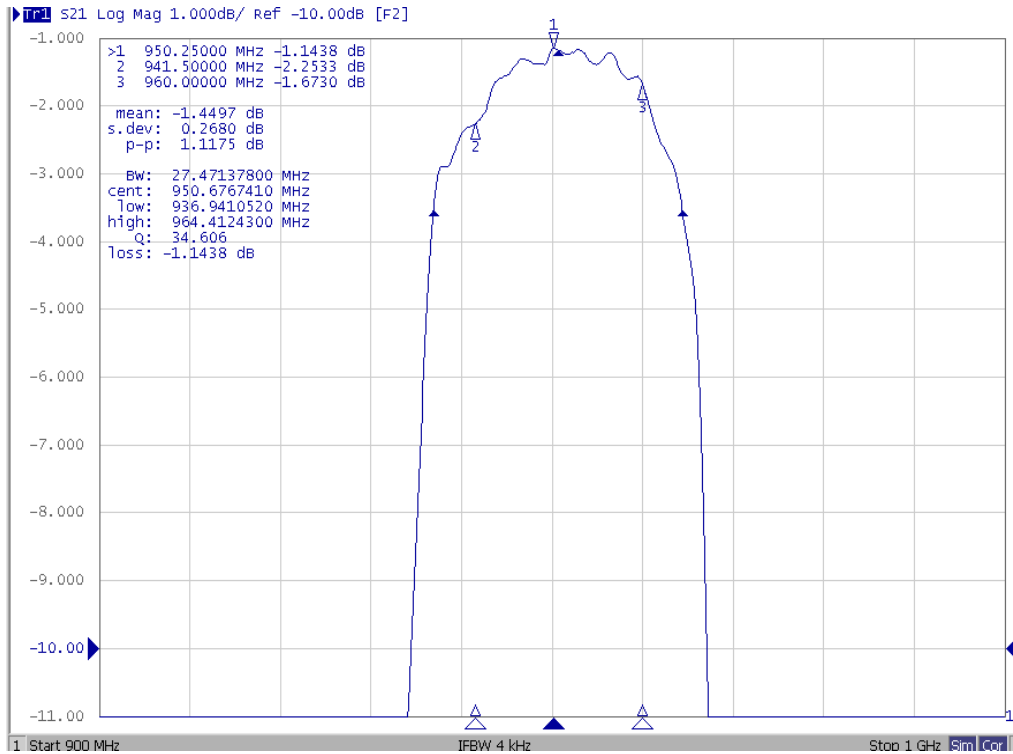
2. Span 1600MHz



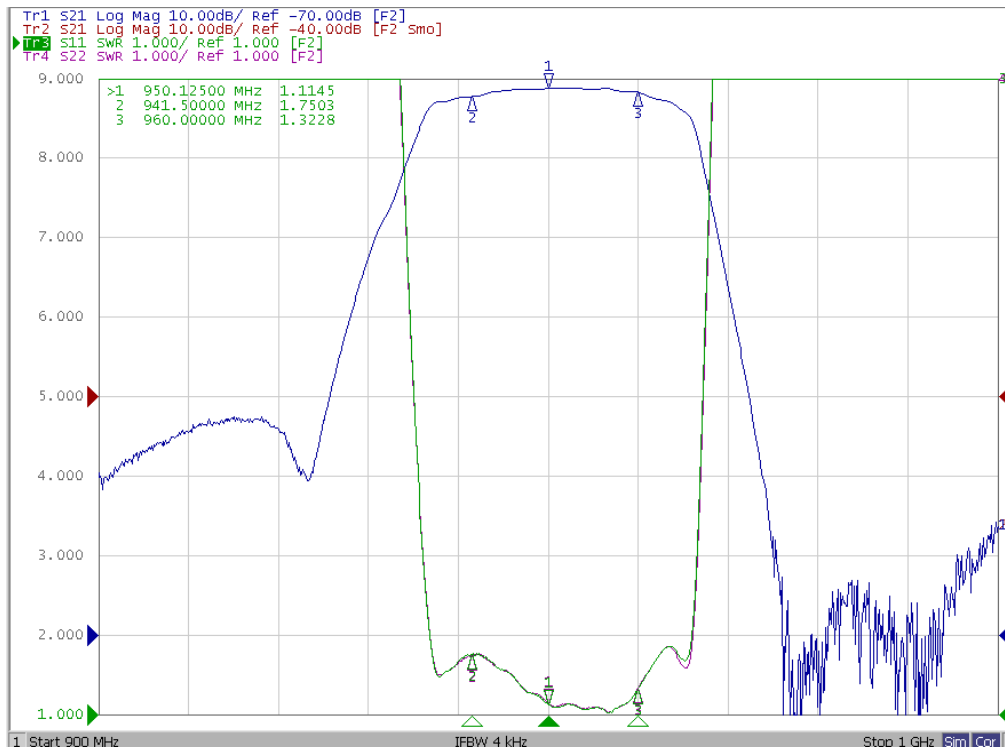
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### 3. Span 100MHz



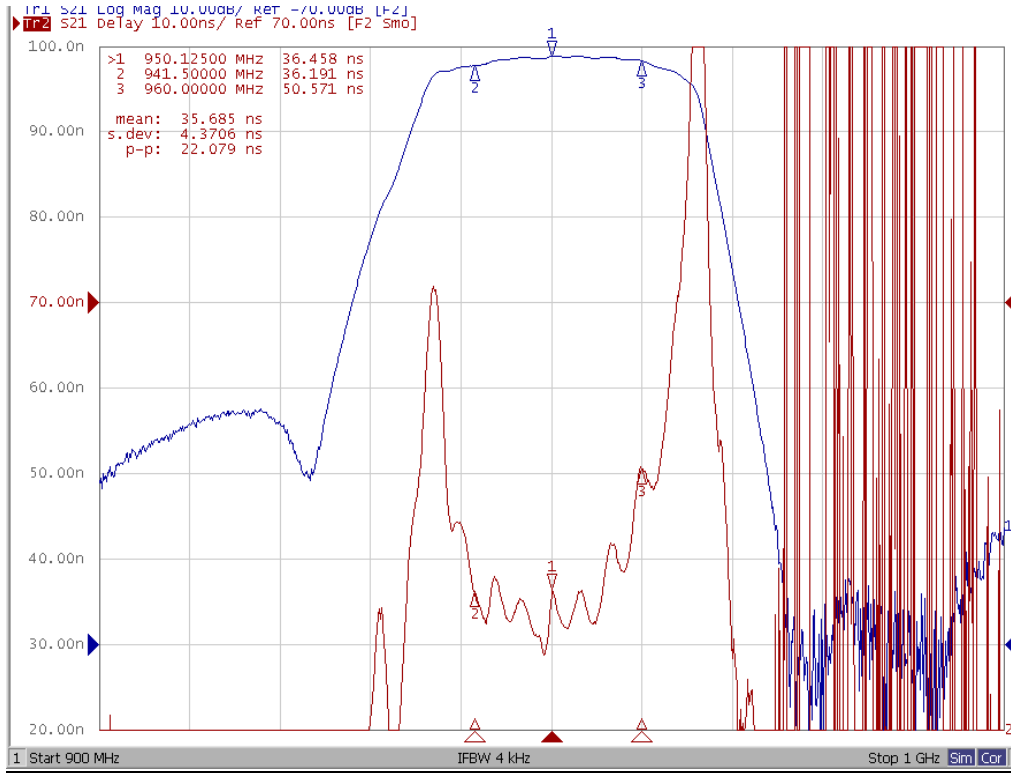
### 4. VSWR



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### 5. Group Delay ripple





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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 260°C +0/-5°C peak (20 ~ 40 sec).
4. Time: 2 times.

