

**SAW Filter 869MHz**  
**Part No: MP01864**

**Model: TA0977A**  
**Rev No: 2**

**A. MAXIMUM RATING:**

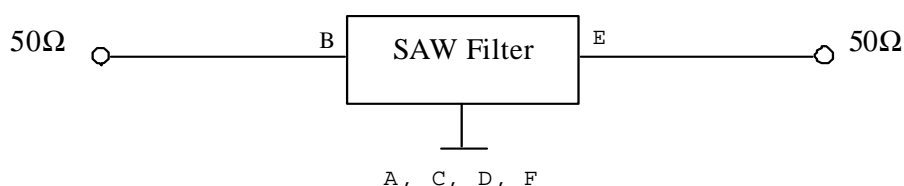
1. Input Power Level: 10dBm
2. DC voltage: 5V
3. Operating Temperature: -30°C to +65°C
4. Storage Temperature: -40°C to +85°C

**B. ELECTRICAL CHARACTERISTICS:**

Item	Unit	Min.	Typ.	Max.
Centre frequency Fc	MHz	-	869	-
Insertion Loss 868 ~ 870MHz IL	dB	-	2.7	3.5
Amplitude ripple 868 ~ 870MHz	dB	-	0.2	1.5
Attenuation: (Reference level from 0dB)				
DC ~ 828MHz	dB	45	51	-
828 ~ 849MHz	dB	30	40	-
881 ~ 890MHz	dB	10	18	-
890 ~ 925MHz	dB	22	38	-
925 ~ 1200MHz	dB	40	49	-
1200 ~ 1740MHz	dB	36	49	-
Source impedance Z <sub>S</sub>	Ω	-	50	-
Load impedance Z <sub>L</sub>	Ω	-	50	-

Note: No matching network required for operation at 50Ω

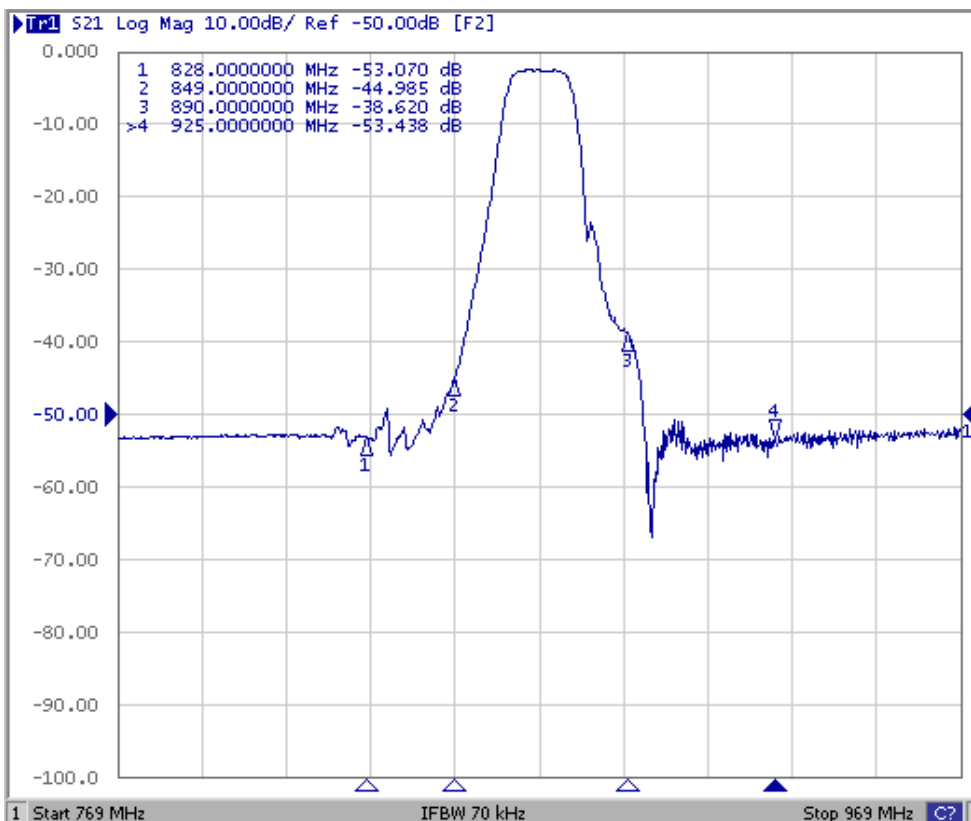
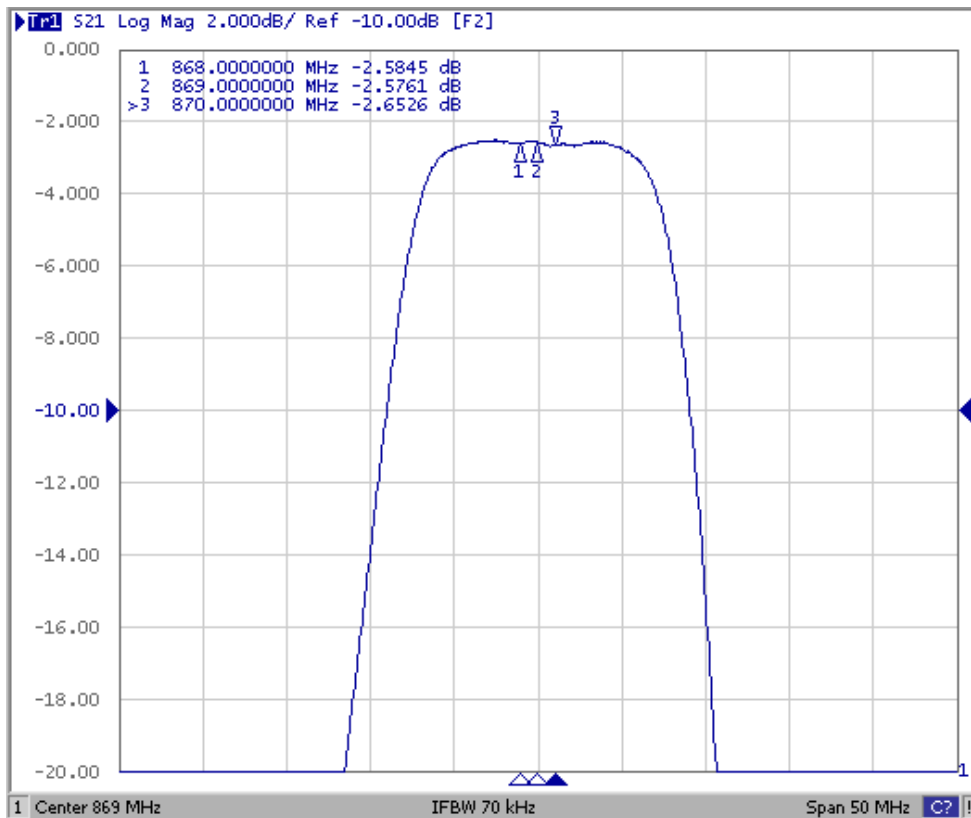
**C. MEASUREMENT CIRCUIT:**



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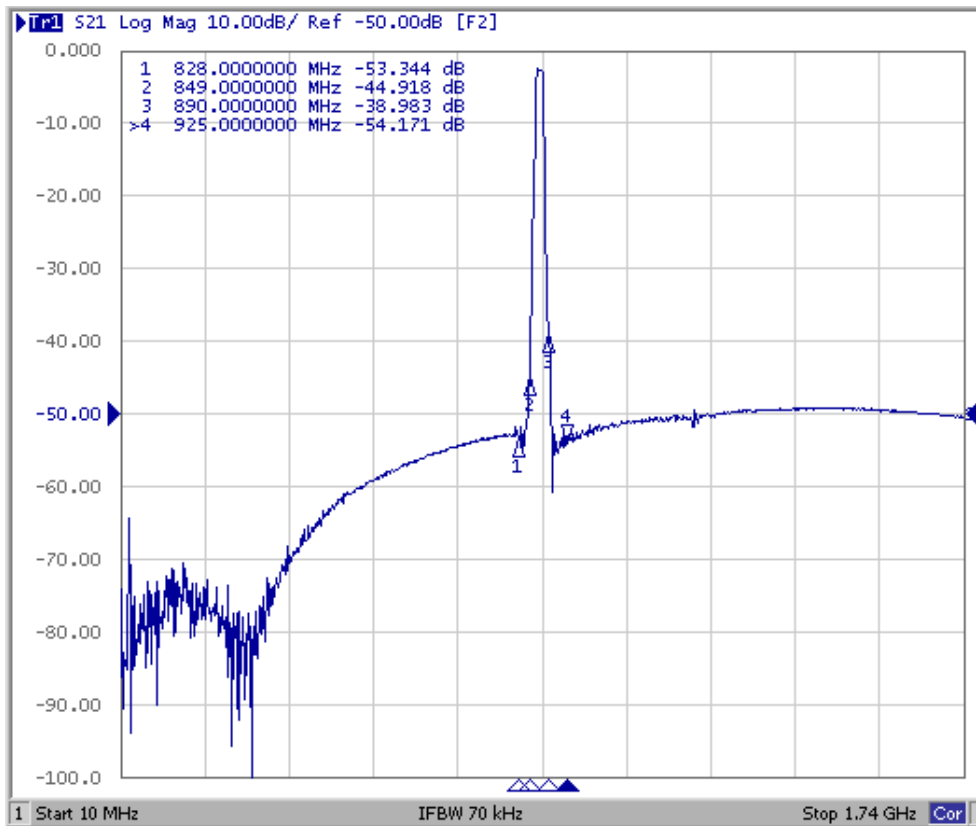
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**D. FREQUENCY CHARACTERISTICS:**

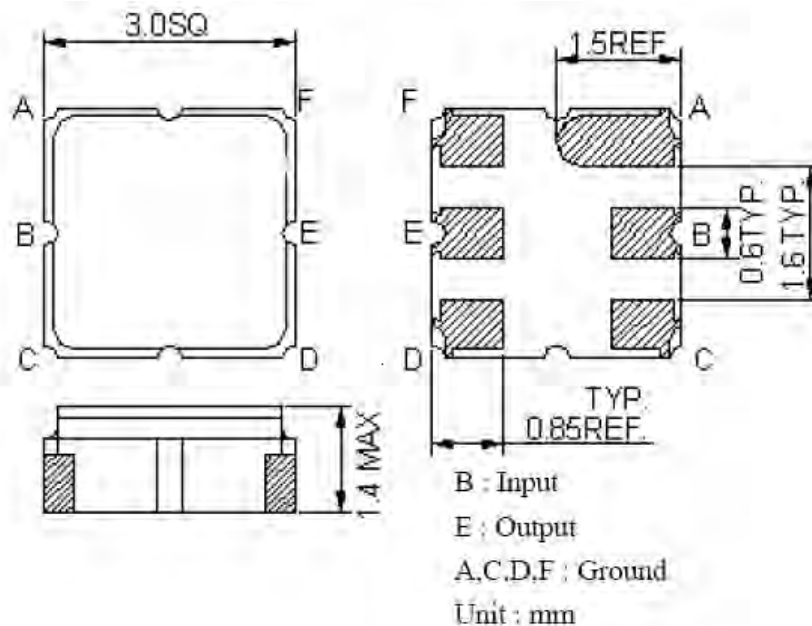


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**E. OUTLINE DRAWING:**



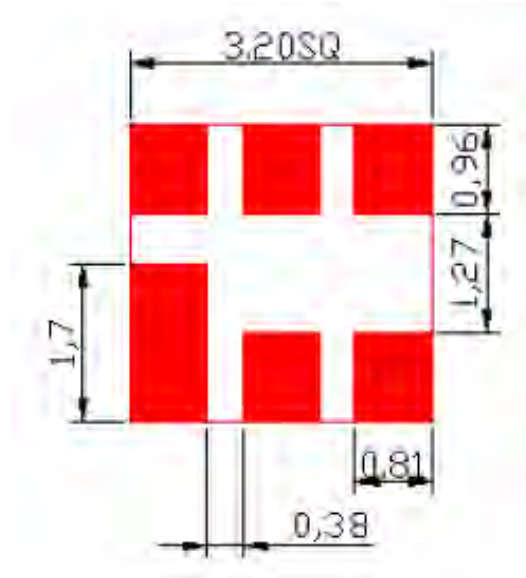
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**F. PCB FOOTPRINT:**





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**H. RECOMMENDED REFLOW PROFILE:**

