

**SAW Filter 938.0MHz**  
**Part No: MP08162**

**Model: TA1287A**  
**Rev No: 1**

**A. MAXIMUM RATING:**

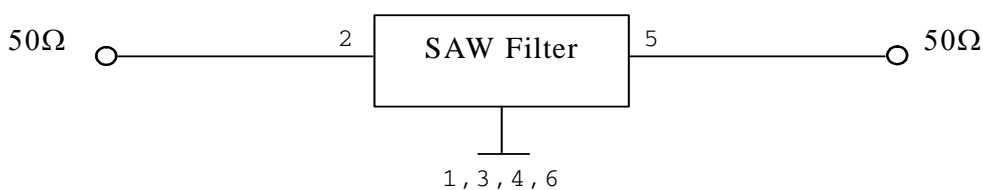
1. Input Power Level: 16dBm
2. DC Voltage: 3V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +95°C

**B. ELECTRICAL CHARACTERISTICS:**

Item	Unit	Min.	Typ.	Max.
Center Frequency Fc	MHz	-	938	-
Insertion loss (935 ~ 941MHz) IL	dB	-	1.55	2.0
Amplitude ripple (935 ~ 941MHz)	dB	-	0.4	1.0
VSWR (935 ~ 941MHz)	-	-	1.2	1.8
Attenuation (Reference level from 0dB)				
40 ~ 400MHz	dB	35	42	-
700 ~ 850MHz	dB	20	40	-
893 ~ 910MHz	dB	15	44	-
965 ~ 983MHz	dB	25	56	-
1076 ~ 1092MHz	dB	36	44	-
1100 ~ 1600MHz	dB	36	44	-
1600 ~ 3000MHz	dB	23	32	-
Temperature coefficient of frequency	ppm/k	-	-36	-

**C. MEASUREMENT CIRCUIT:**

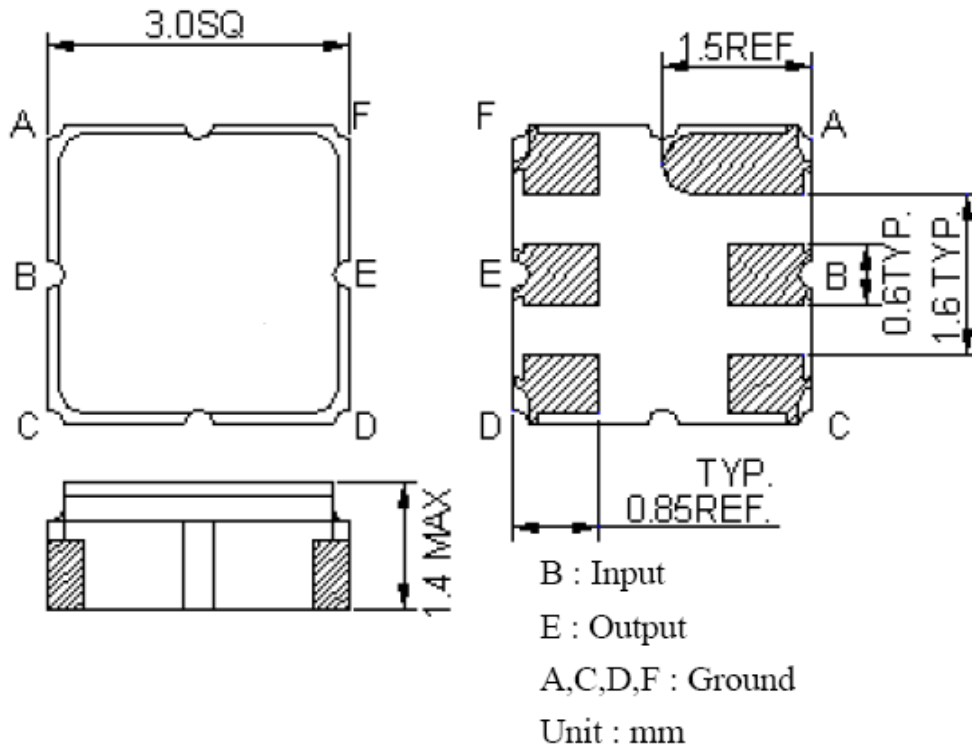
HP Network analyzer



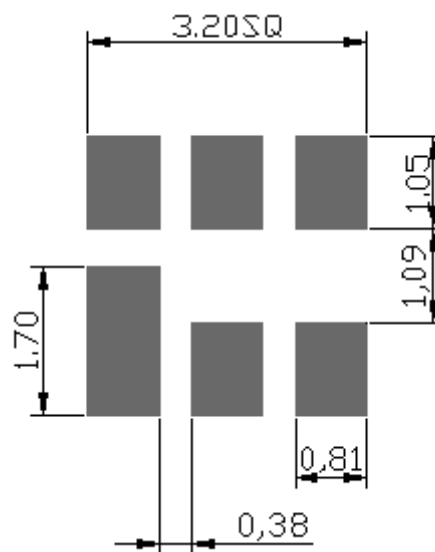
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**D. OUTLINE DRAWING:**



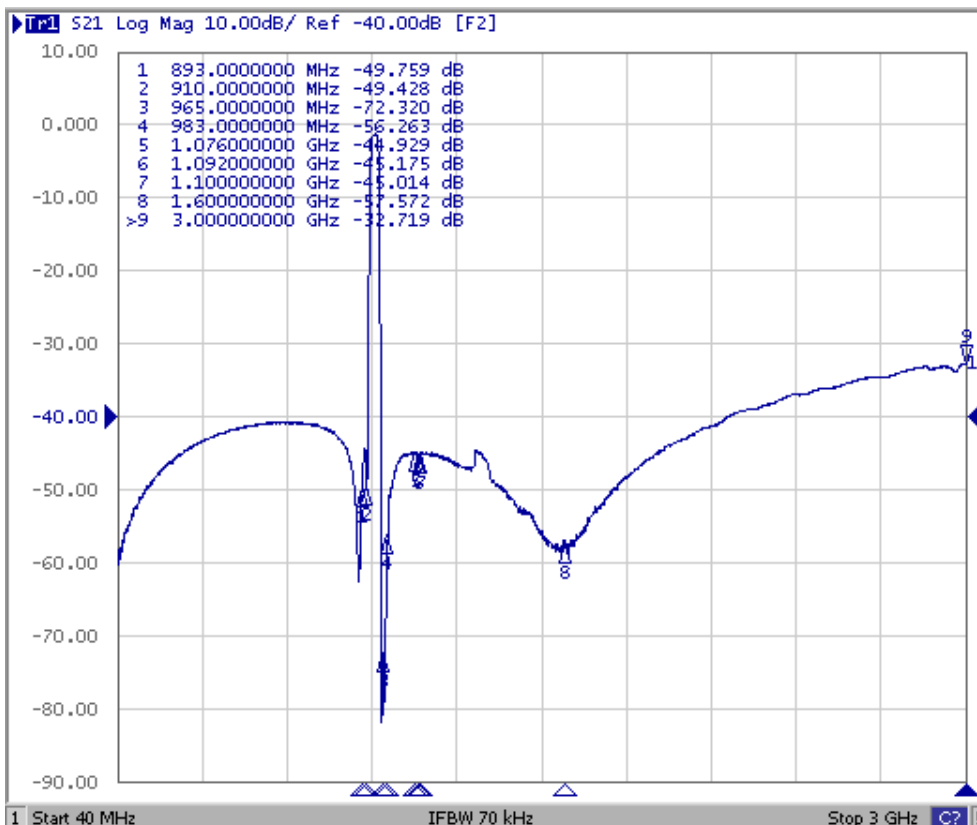
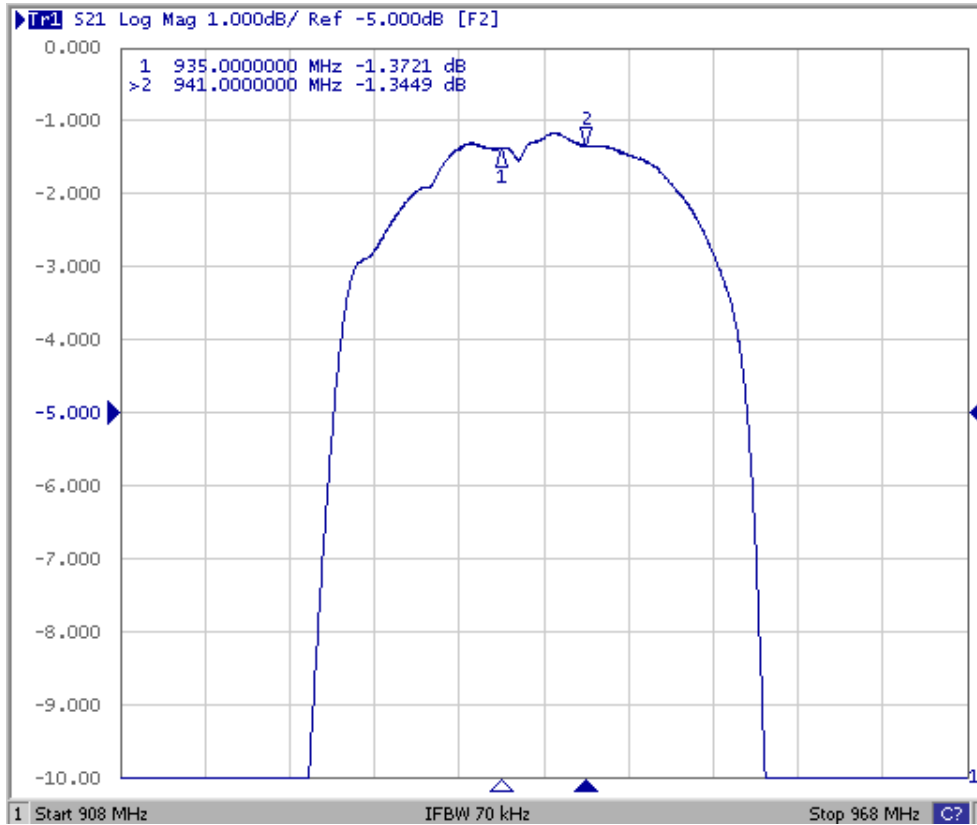
**E. PCB FOOTPRINT:**



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**F. FREQUENCY CHARACTERISTICS:**

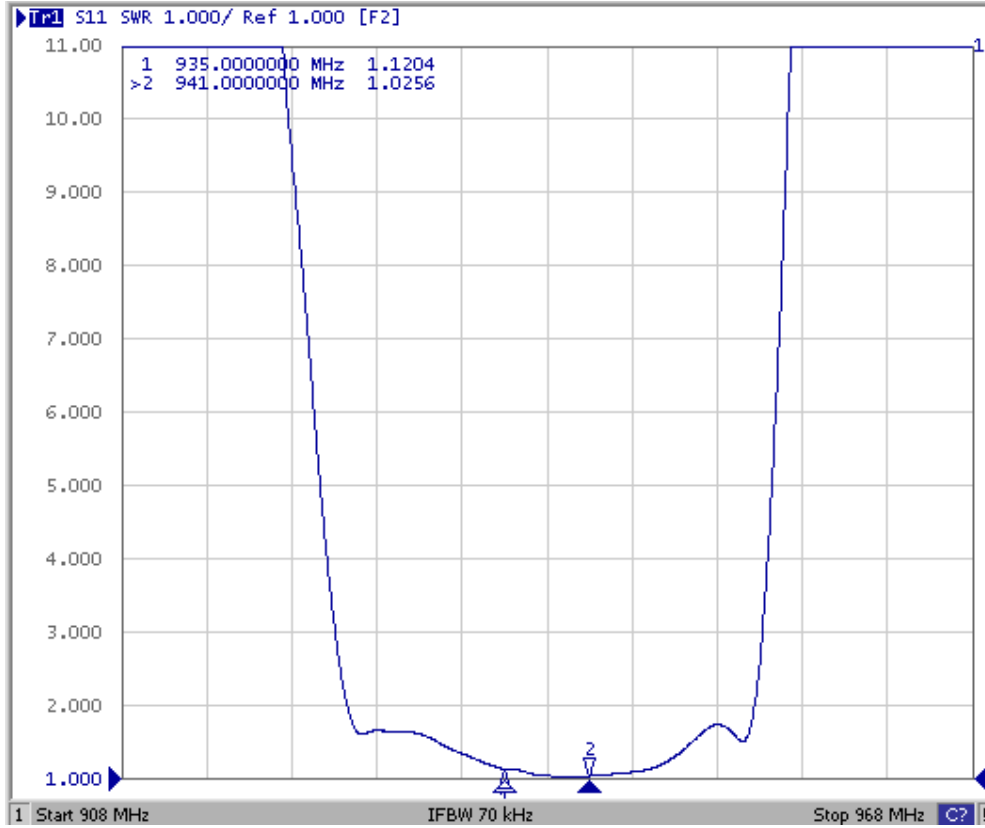


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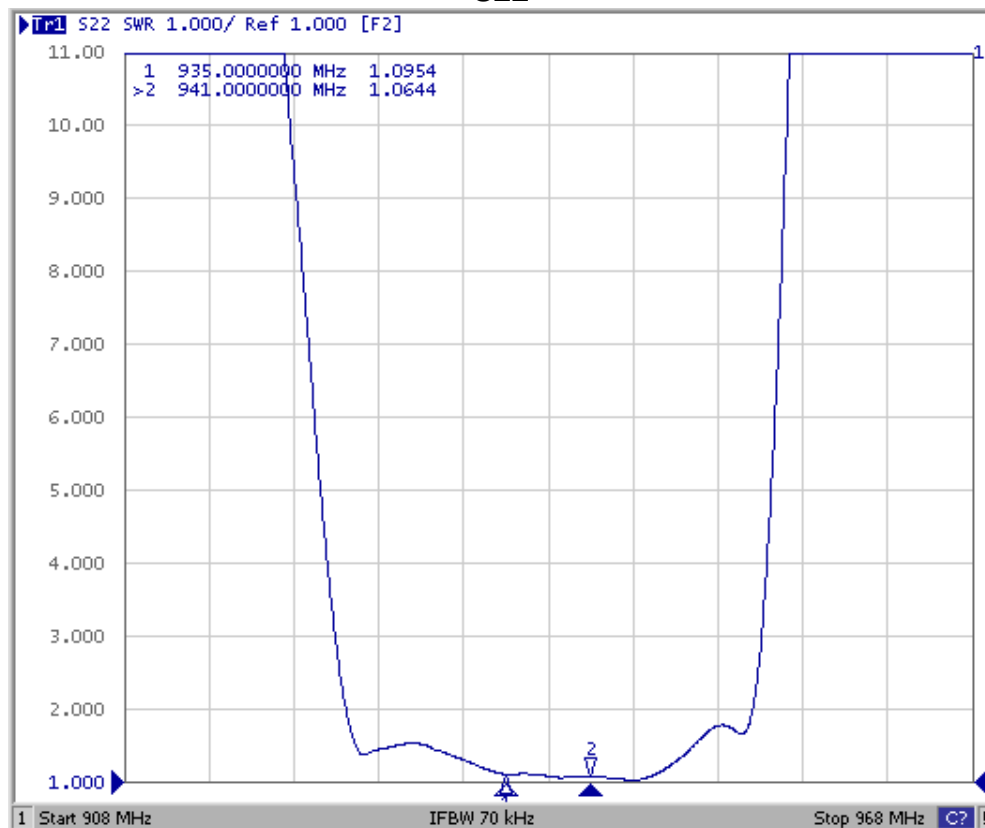
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Reflection Functions

S11



S22





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**H. RECOMMENDED REFLOW PROFILE:**

