

**SAW Filter 2535.0MHz**  
**Part No: MP09705**

**Part No: TA0795C**  
**Rev No: 1**

**A. MAXIMUM RATING:**

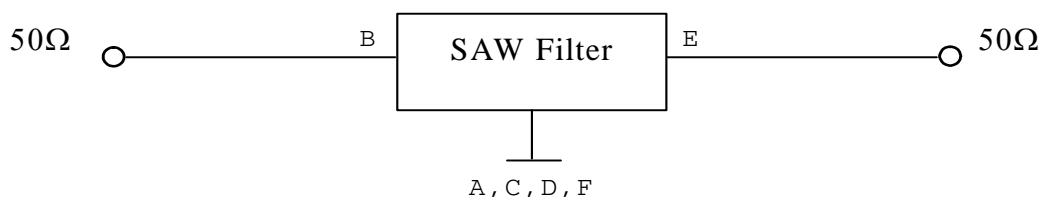
1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitivity Level: Level 1
6. ESD 50V (MM), 100V (HBM)

**B. ELECTRICAL CHARACTERISTICS:**

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	2535	-	-
Insertion Loss (2500 ~ 2570 MHz) IL	dB	-	2.2	3.6	-
Amplitude Ripple (2500 ~ 2570MHz)	dB	-	0.8	1.7	-
VSWR (2500 ~ 2570MHz)		-	2	2.2	-
Attenuation (Reference level from 0 dB)					
DC ~ 2100MHz	dB	25	31	-	-
2100 ~ 2400MHz	dB	27	34.5	-	-
2650 ~ 4000MHz	dB	30	38	-	-
4000 ~ 5000MHz	dB	20	23	-	-

**C. MEASUREMENT CIRCUIT:**

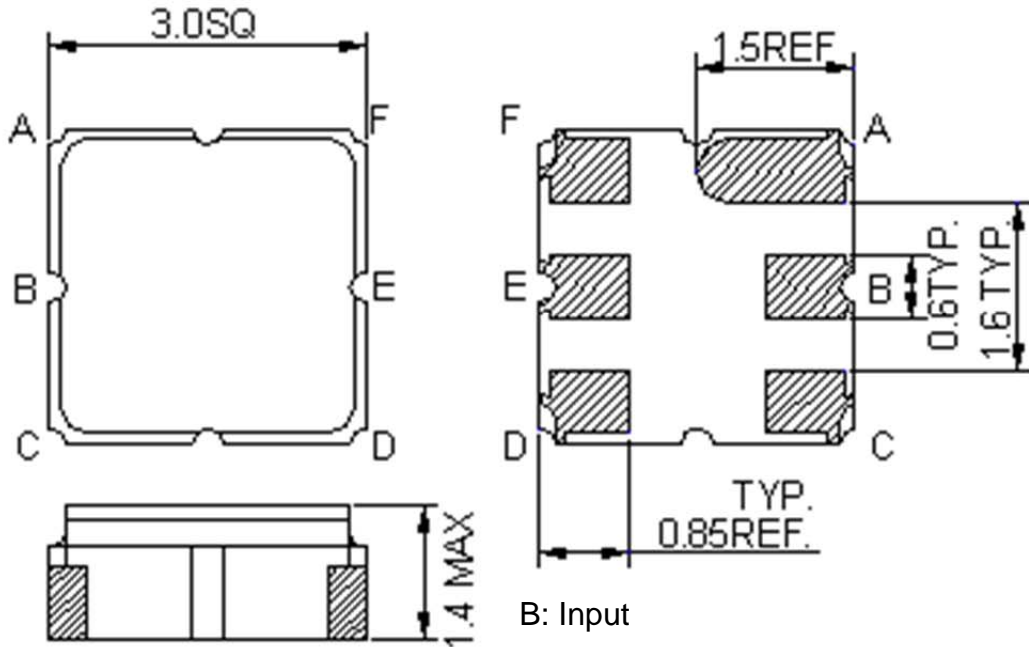
HP Network analyzer



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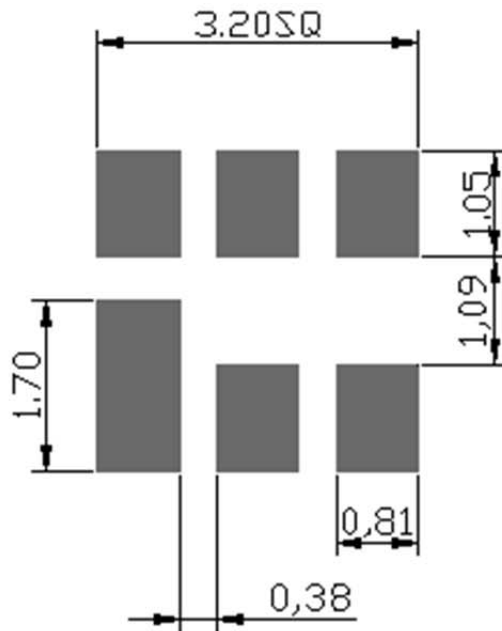
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**D. OUTLINE DRAWING:**



B: Input  
 E: Output  
 A, C, D, F: Ground  
 Unit: mm

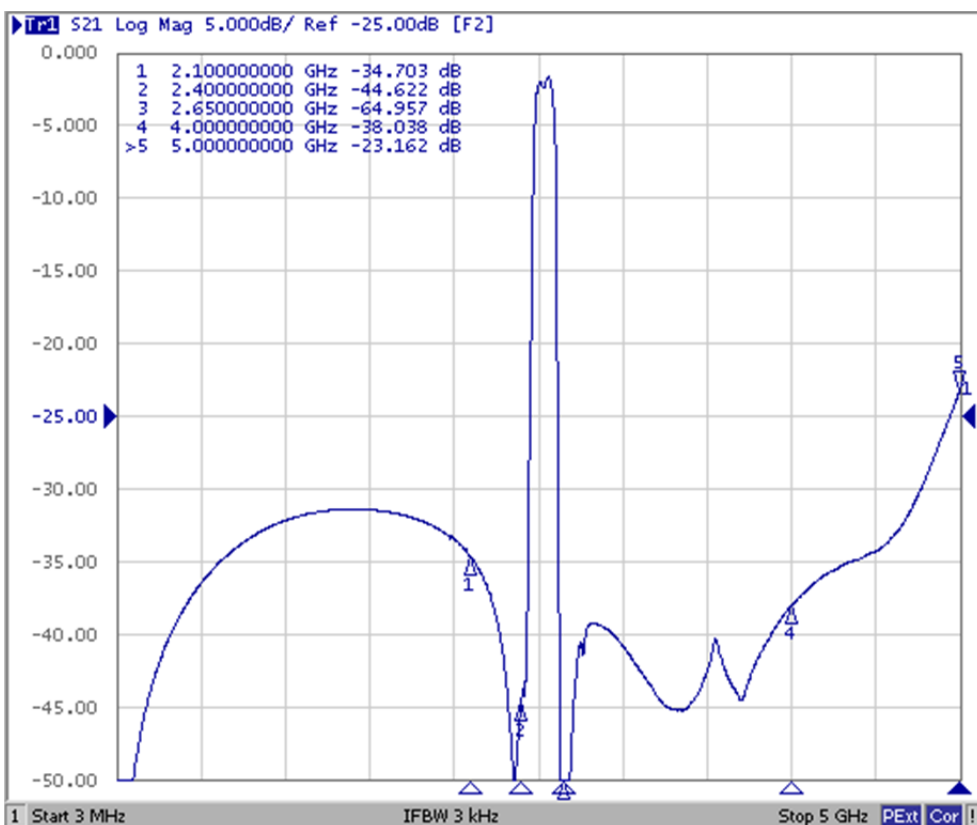
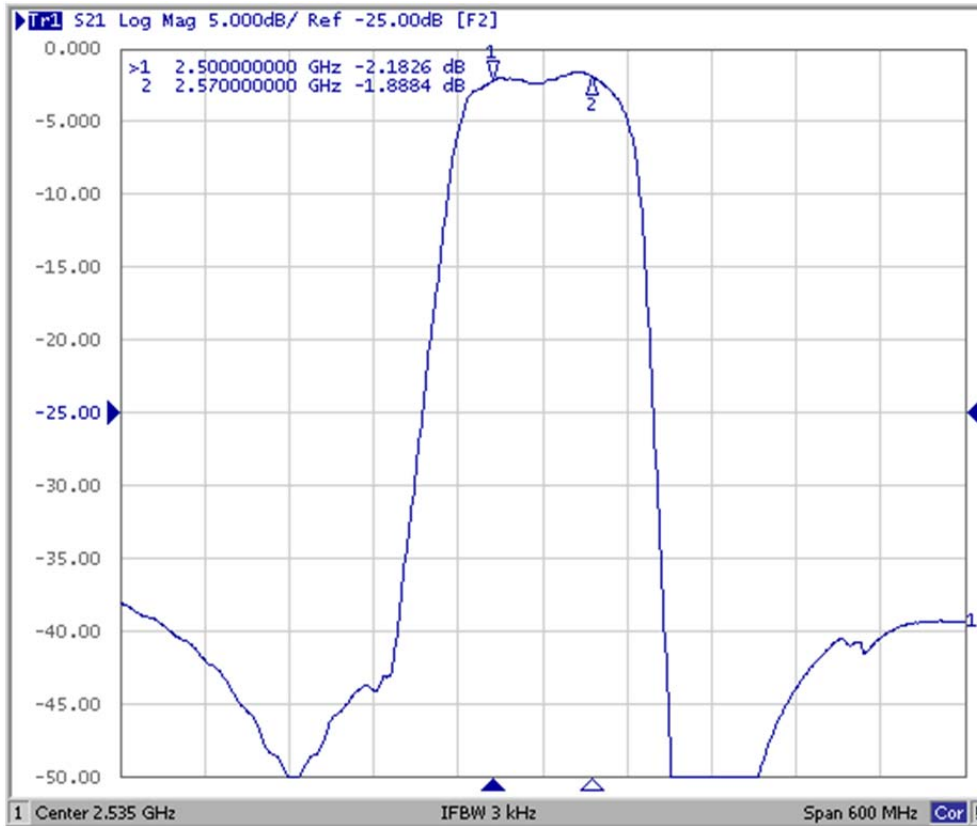
**E. PCB FOOTPRINT:**



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## F. FREQUENCY CHARACTERISTICS:

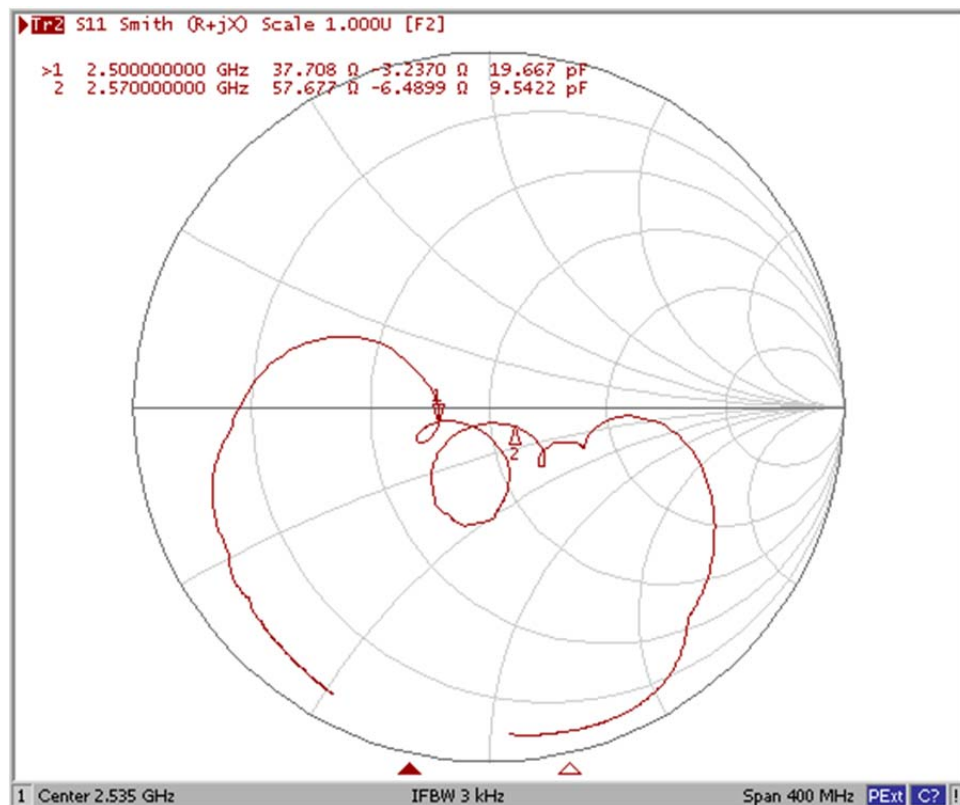
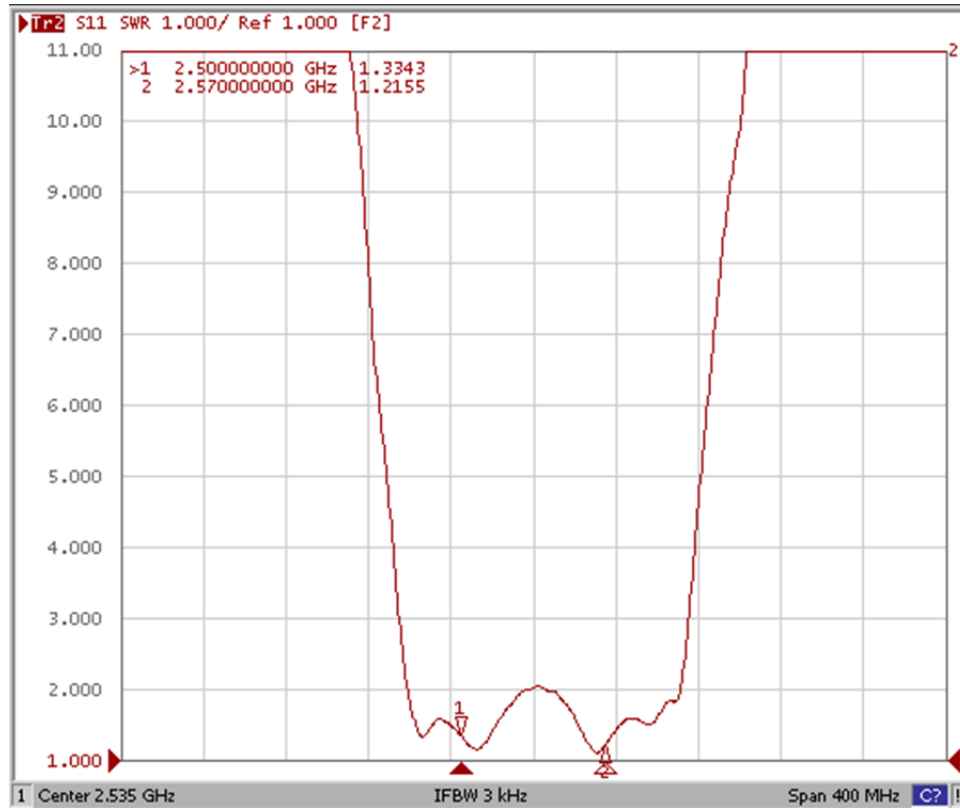


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## Reflection Functions

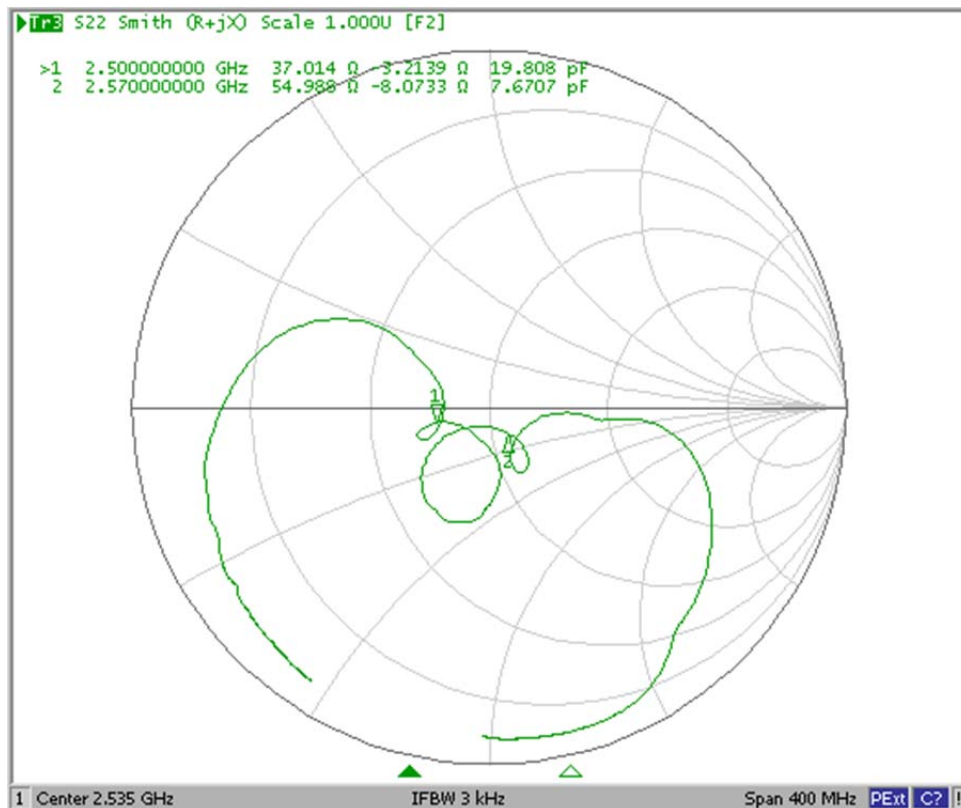
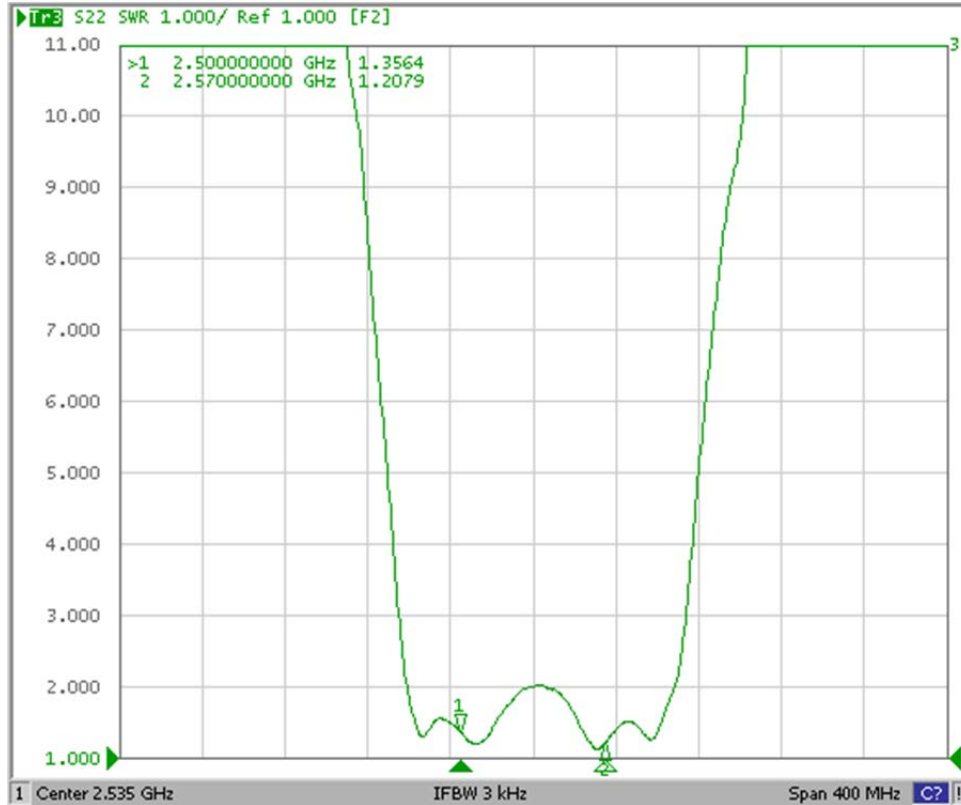
S11



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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.

