

**SAW Filter 2441.80MHz**

**Model: TA0532A**

**Part No: MA07741**

**REV. NO.: 1**

**A. MAXIMUM RATING:**

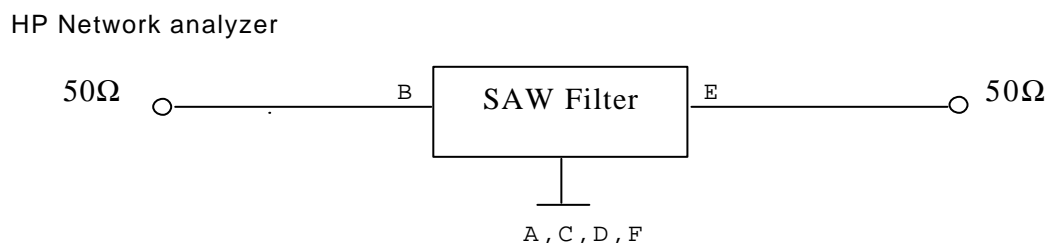
1. Input Power Level: 10 dBm
2. DC voltage: 3 V
3. Operating Temperature: -30°C to +75°C
4. Storage Temperature: -40°C to +85°C

**B. ELECTRICAL CHARACTERISTICS:**

Item	Min.	Typ.	Max.
Center frequency Fc (dB)	-	2441.8	-
Insertion loss (2400~2483.5 MHz) IL (dB)	-	2.1	5.0
Amplitude ripple (2400~2483.5 MHz) (dB)	-	0.9	3.0
Attenuation (Reference level from 0 dB)			
D.C. ~ 1700 MHz (dB)	20.0	29.0	-
1700 ~ 2200 MHz (dB)	25.0	30.0	-
2544 ~ 2627 MHz (dB)	40.0	45.0	-
2700 ~ 3100 MHz (dB)	30.0	40.0	-
3100 ~ 4000 MHz (dB)	20.0	32.0	-
4000 ~ 5000 MHz (dB)	10.0	15.0	-
VSWR (2400~2483.5 MHz)	-	1.8	2.6
Source impedance Zs (Ω)	-	50	-
Load impedance ZL (Ω)	-	50	-

Note1. The standard definitions is in JIS C 6703

**C. MEASUREMENT CIRCUIT:**



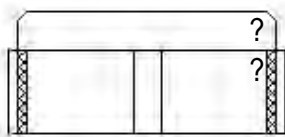
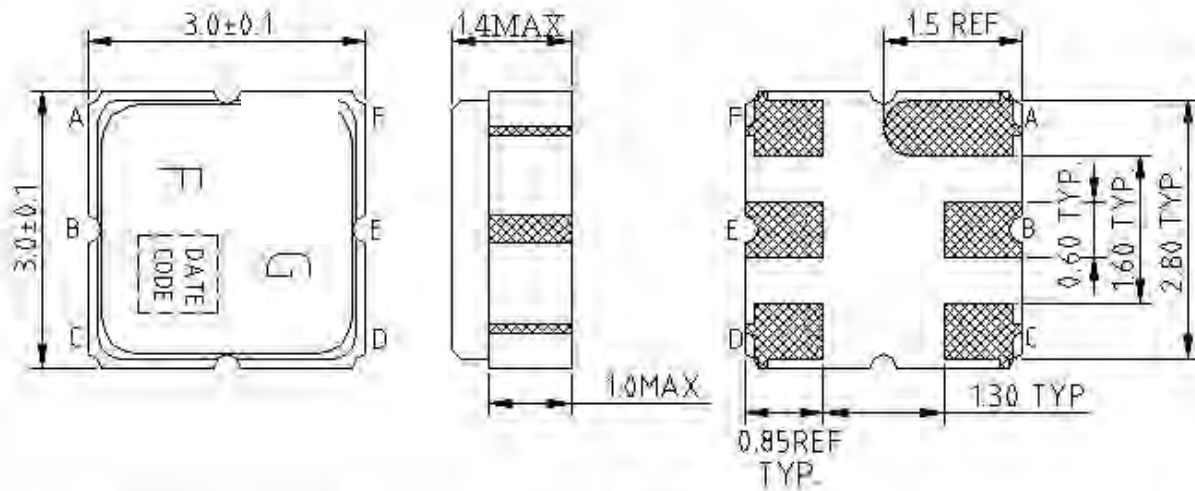
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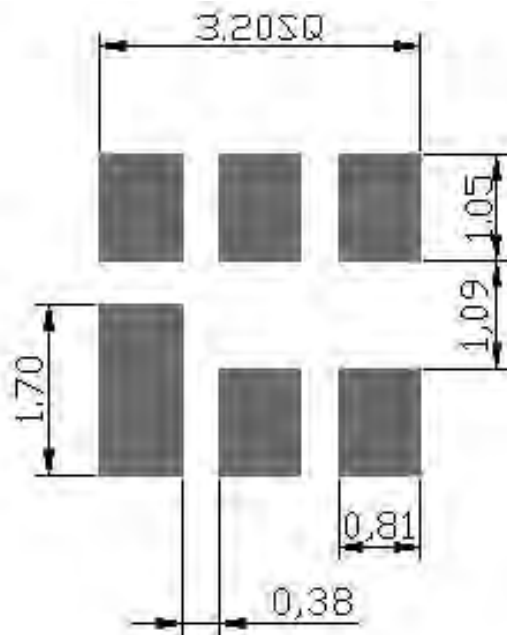
**D. OUTLINE DRAWING:**



? : Year Code  
 ? : Date Code

B INPUT  
 E OUTPUT  
 A,C,D,F GROUND  
 DIMENSION : mm

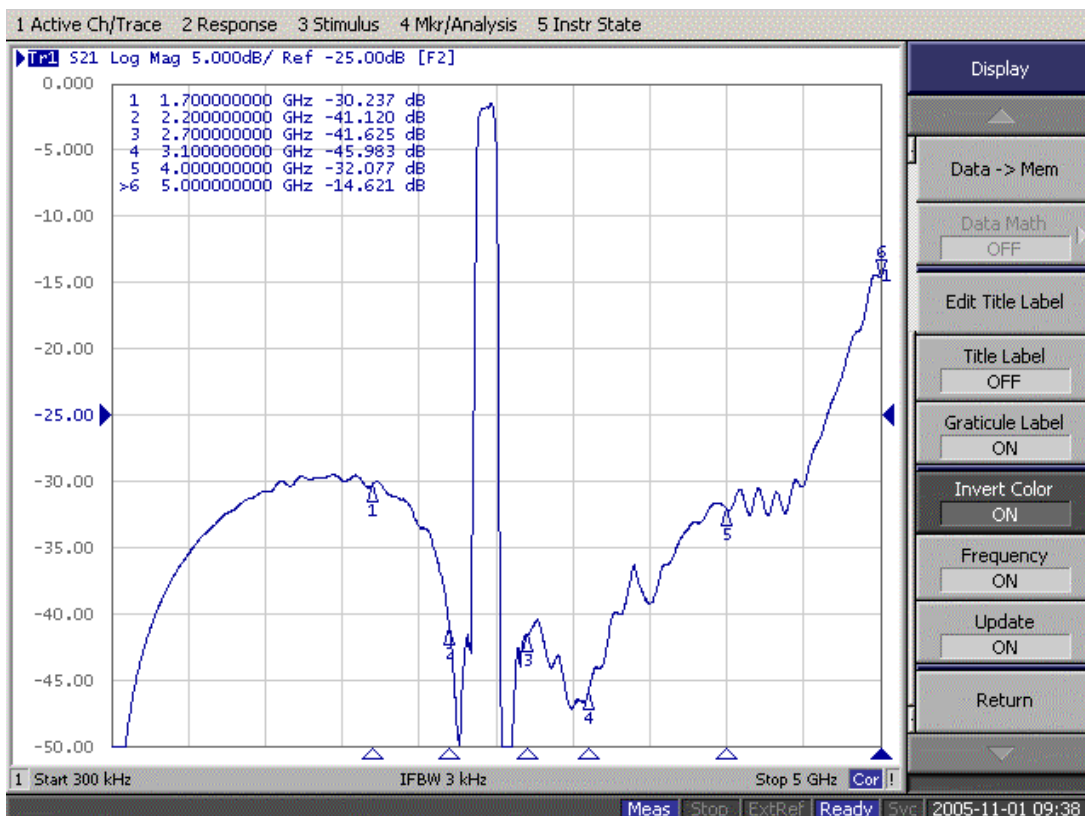
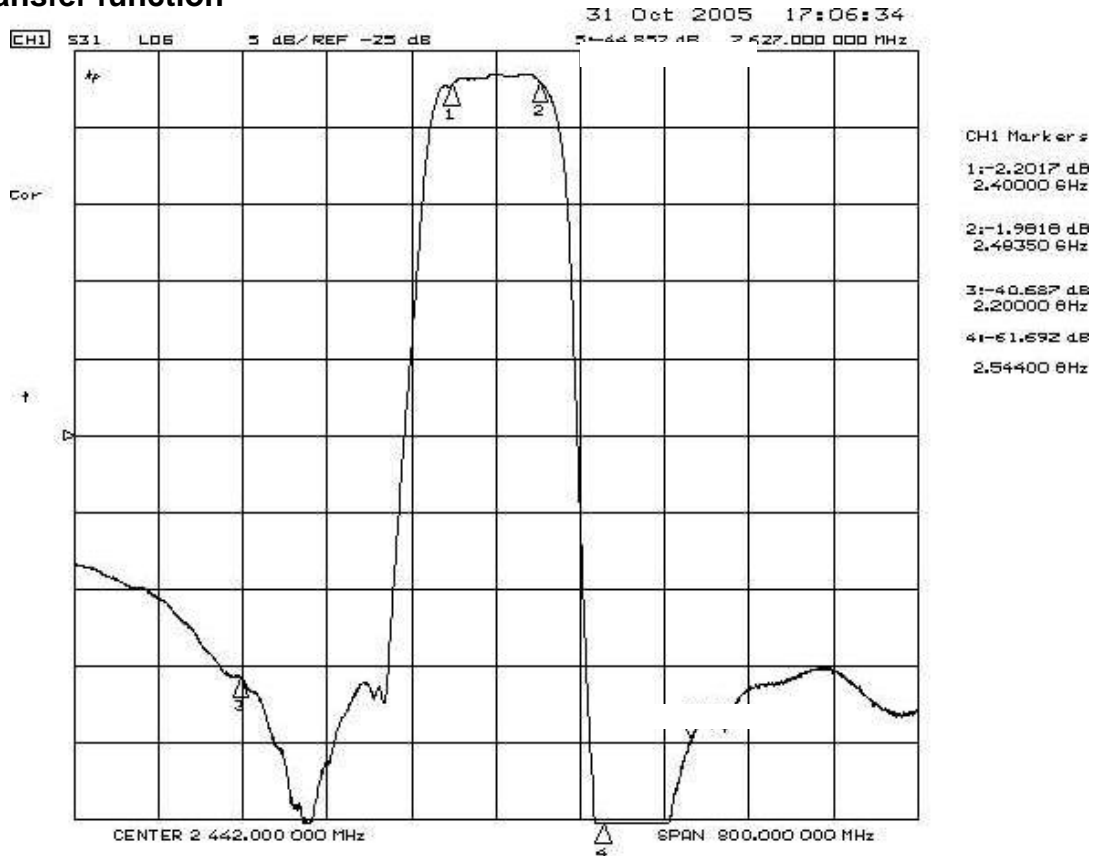
**E. PCB Footprint:**



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**F. Frequency Characteristics:**  
**Transfer function**

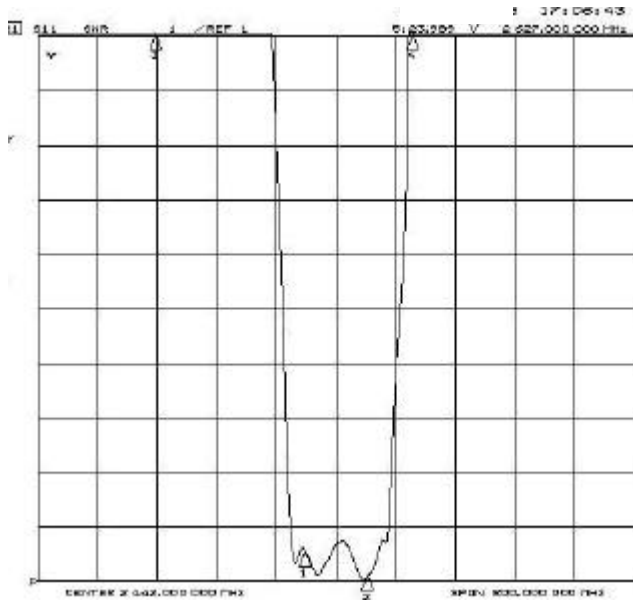


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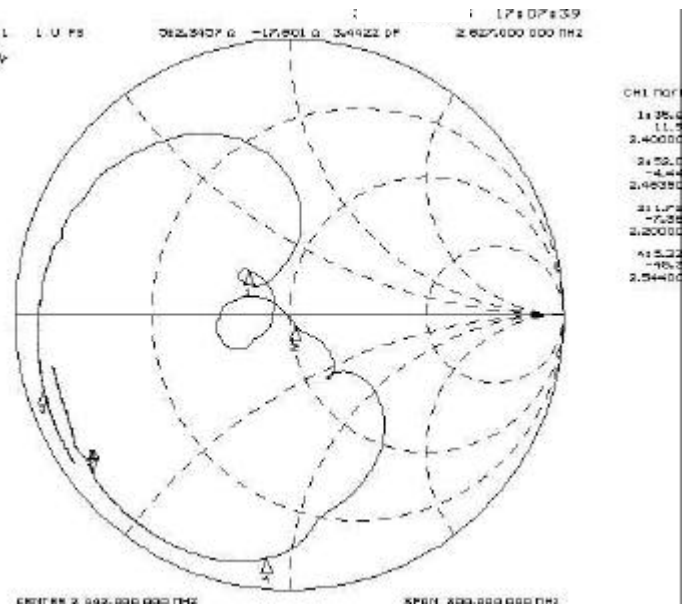
**Reflection Functions:**

**S11 VSWR**

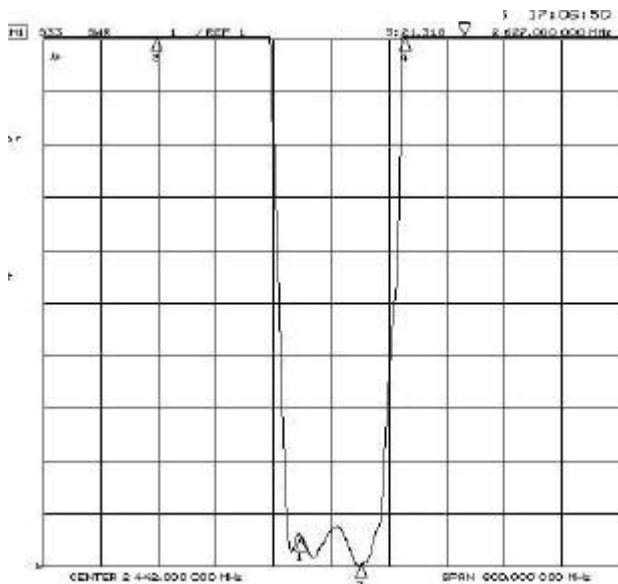


CHI Markers

Det	Cor
1: 1.5427	
2: 0.0000 MHz	
3: 1.1007	
4: 0.0000 MHz	
5: 29.647	
6: 0.0000 MHz	
7: 17.022	
8: 11.00 MHz	



**S22 VSWR**



CHI Markers

Det	Cor
1: 1.5591	
2: 0.0000 MHz	
3: 1.0380	
4: 0.0000 MHz	
5: 27.440	
6: 0.0000 MHz	
7: 15.283	
8: 11.00 MHz	

