
SAW Filter for GPS 1575.42MHz**Model: TA0224A****Part No: MA06008****Rev No: 1**

A. MAXIMUM RATING:

1. Maximum Input Signal Level: +10 dBm
2. Operating Temperature: -40°C ~ +85°C
3. Storage Temperature: -40°C ~ +105°C

B. ELECTRICAL CHARACTERISTICS:

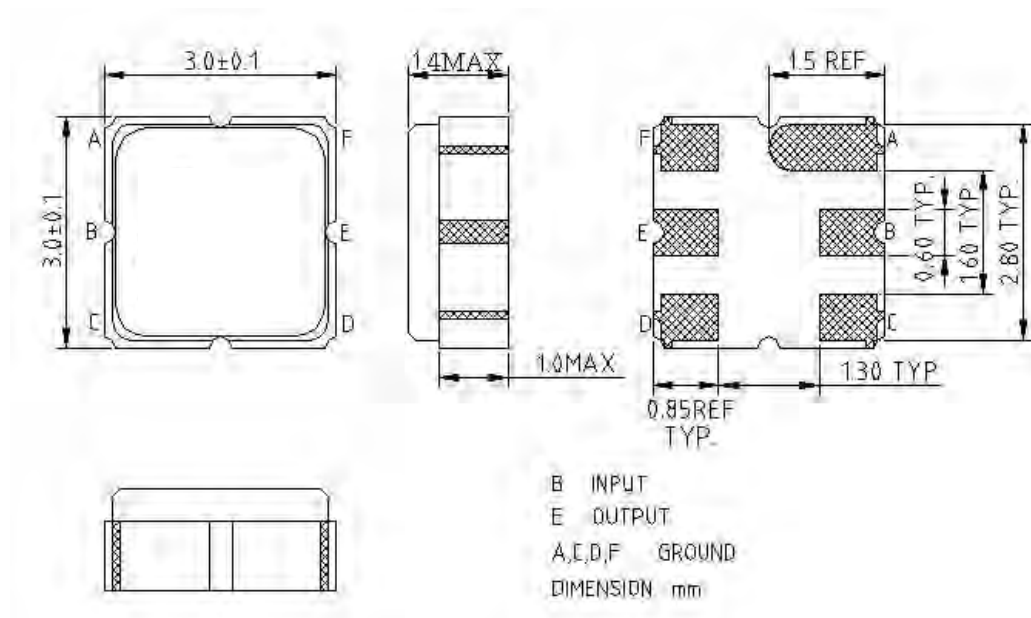
Item	Min.	Typ.	Max.
Center frequency Fc (dB)	-	1575.42	-
Insertion loss within Fc ± 1MHz IL (dB)	-	2.6	3.5
Amplitude ripple (p-p) within Fc ± 1MHz (dB)	-	0.1	1.0
Attenuation (Reference level from 0dB)			
880 ~ 915MHz (dB)	35.0	37.0	-
1525.42MHz (dB)	30.0	47.0	-
1535.42MHz (dB)	20.0	44.5	-
1615.42MHz (dB)	20.0	62.5	-
1625.42MHz (dB)	30.0	75.0	-
1710 ~ 1785MHz (dB)	50.0	54.0	-
VSWR within Fc ± 1MHz	-	1.5	2.5
Source impedance Z _S (Ω)	-	50	-
Load impedance Z _L (Ω)	-	50	-

Note: No matching network required for operation at 50Ω

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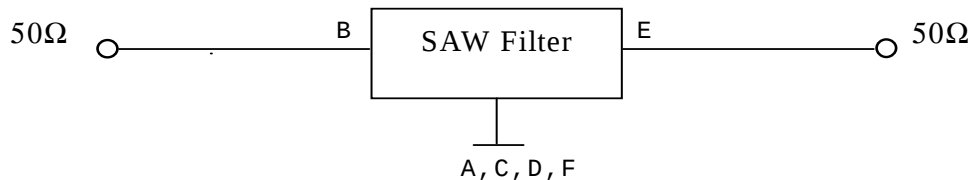
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C. OUTLINE DRAWING:



D. MEASUREMENT CIRCUIT:

HP Network analyzer

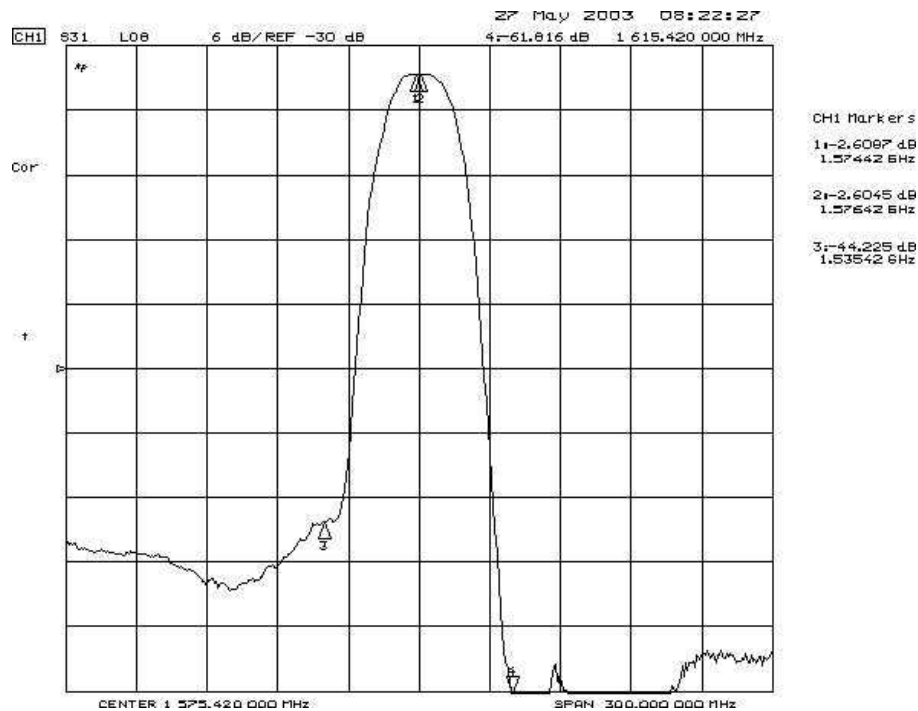


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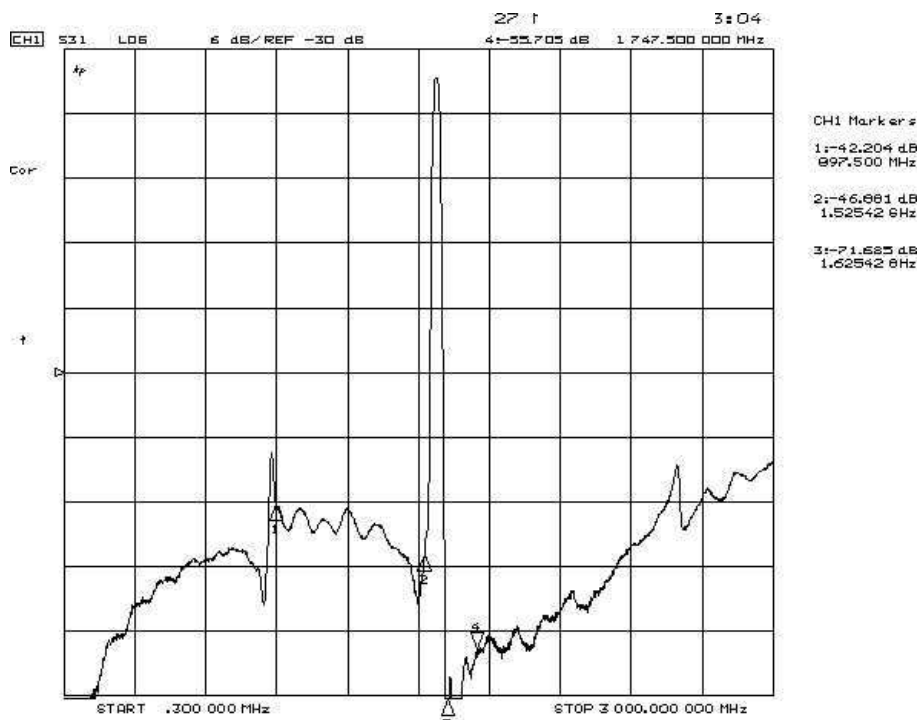
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E. FREQUENCY CHARACTERISTICS:

Transfer function (25°C)



(wideband)

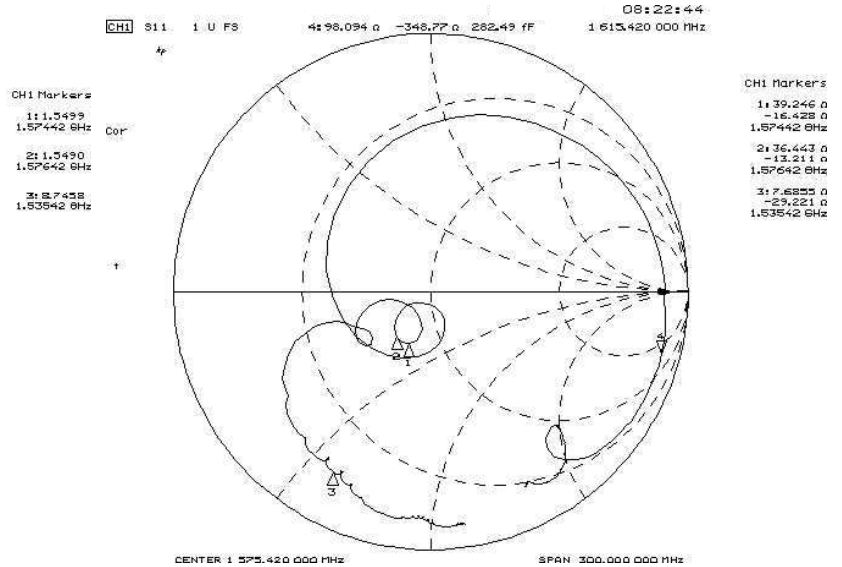
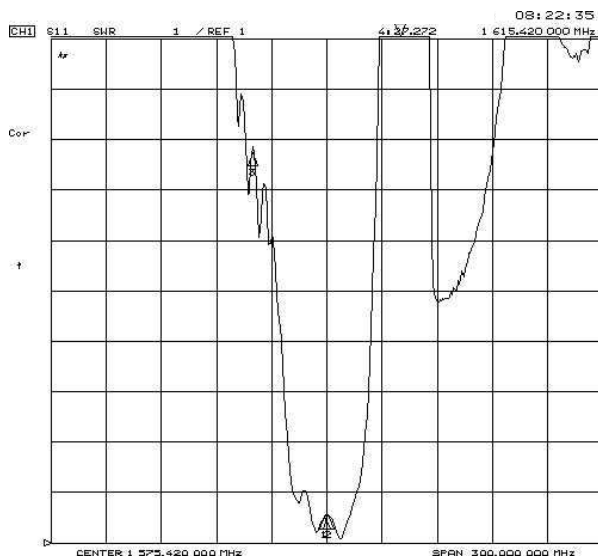


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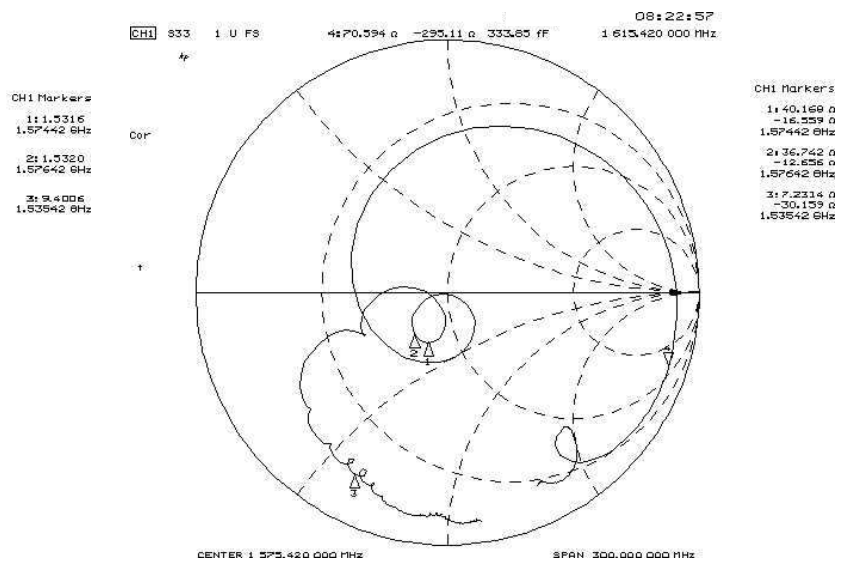
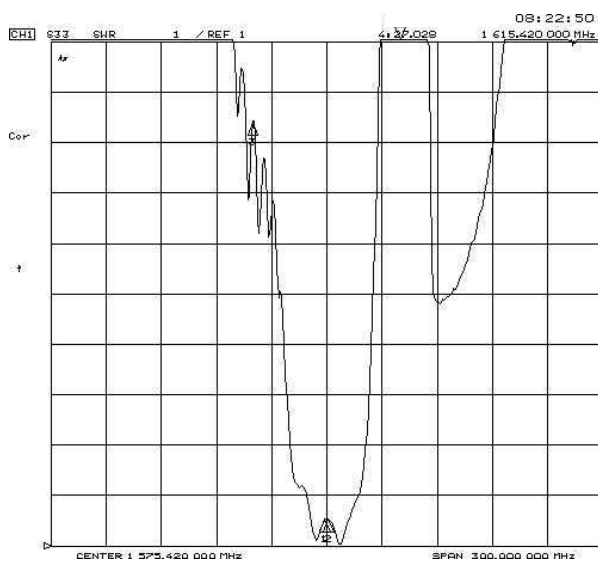
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Reflection Functions

S11 VSWR



S22 VSWR



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