

SAW Filter 1950MHz

Model: TA0235A

Part No: MA05491

Rev No: 3

A. MAXIMUM RATING:

1. Input Power Level: 13dBm
2. DC voltage: 0V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

Item	Min.	Typ.	Max.	Unit
Center Frequency Fc	-	1950	-	MHz
Insertion Loss IL within 1920 ~ 1980MHz	-	2.3	4	dB
Amplitude Ripple (p-p) within 1920 ~ 1980MHz	-	1.4	2.4	dB
Attenuation (Reference level from 0dB)				
DC ~ 1840MHz	20.0	32.0	-	dB
1840 ~ 1900MHz	10.0	21.0	-	dB
2000 ~ 2030MHz	4.5	10.0	-	dB
2030 ~ 2060MHz	20.0	47.0	-	dB
2060 ~ 5000MHz	22.0	29.0	-	dB
VSWR within 1920 ~ 1980MHz	-	1.7	2.4	
Source Impedance Z _S	-	50	-	Ω
Load Impedance Z _L	-	50	-	Ω

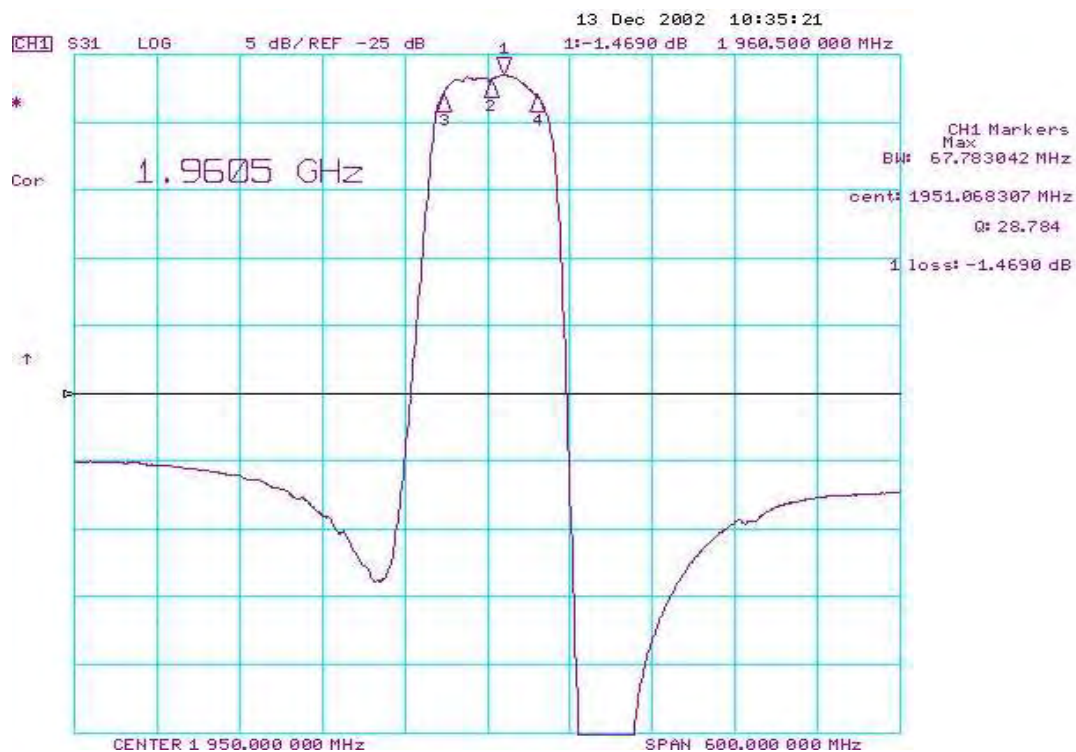
Note 1: No matching network required for operation at 50Ω

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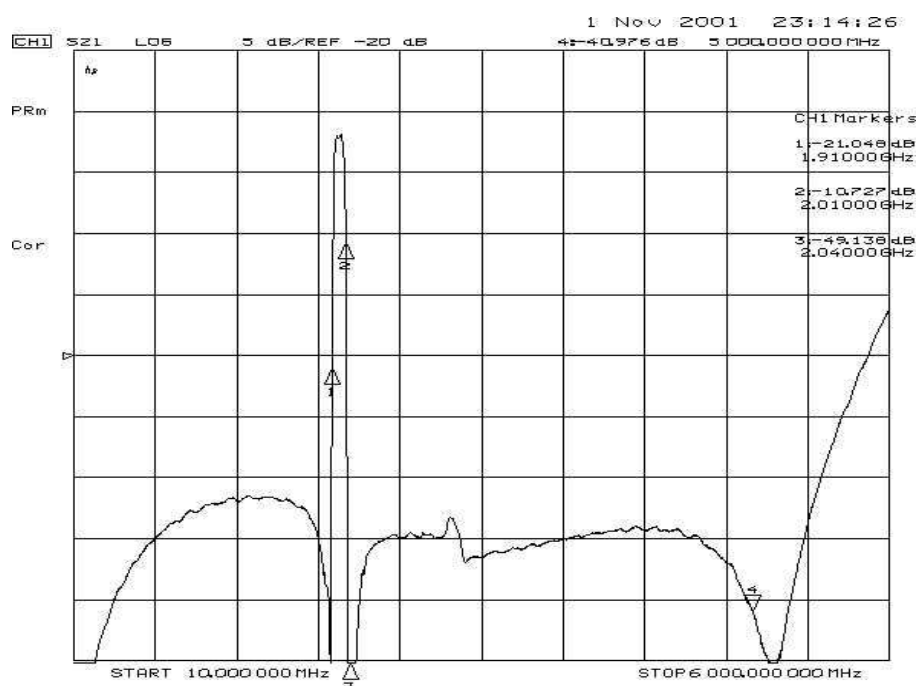
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C. FREQUENCY CHARACTERISTICS:

Transfer function



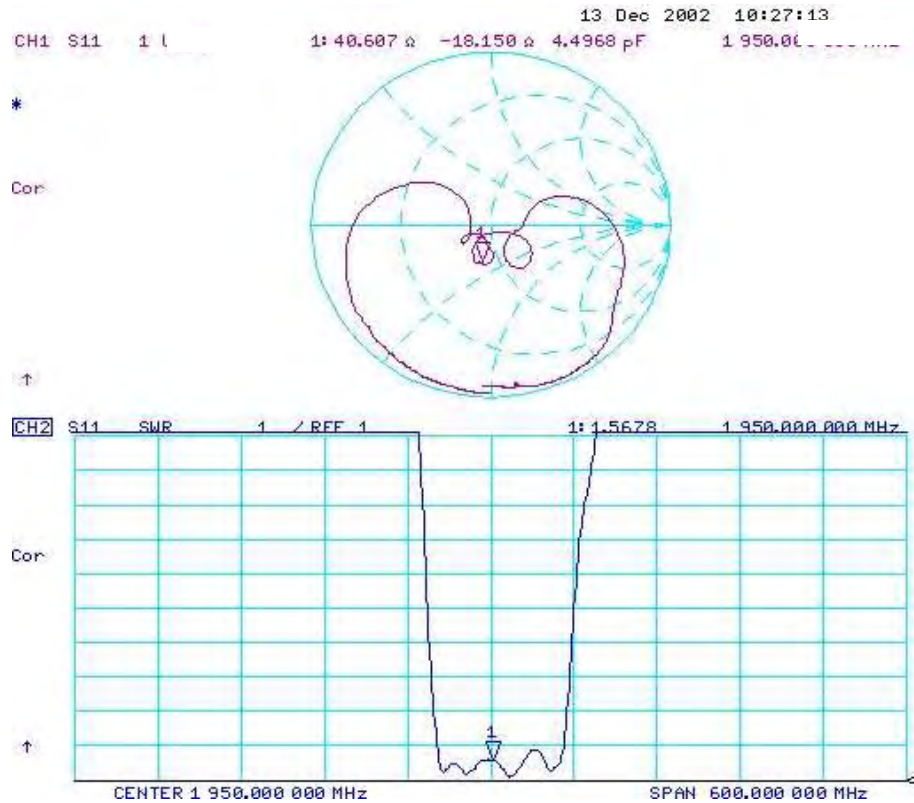
Wideband Response



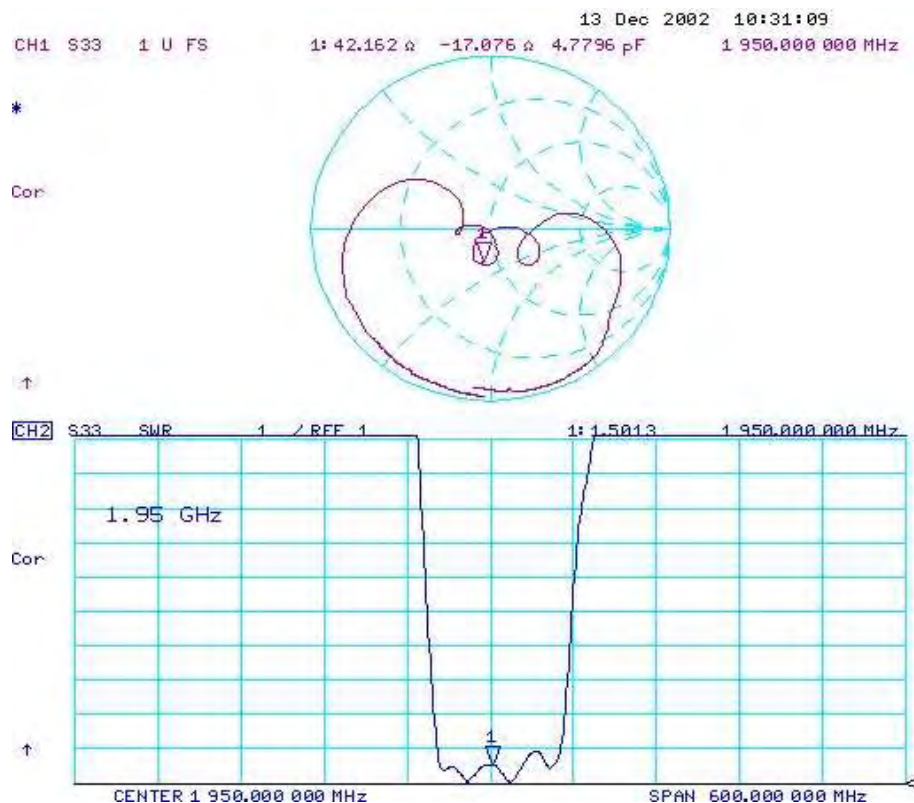
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Input VSWR



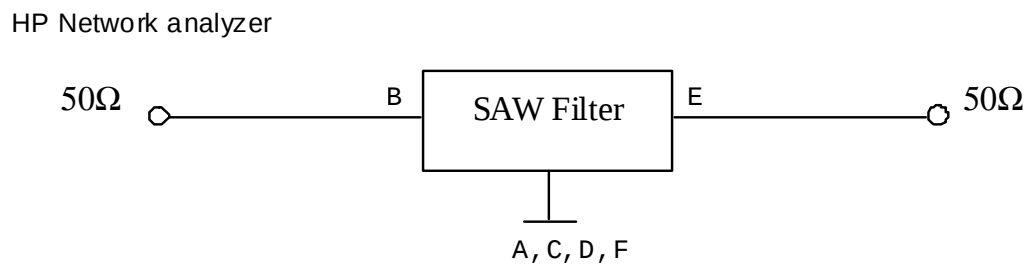
Output VSWR



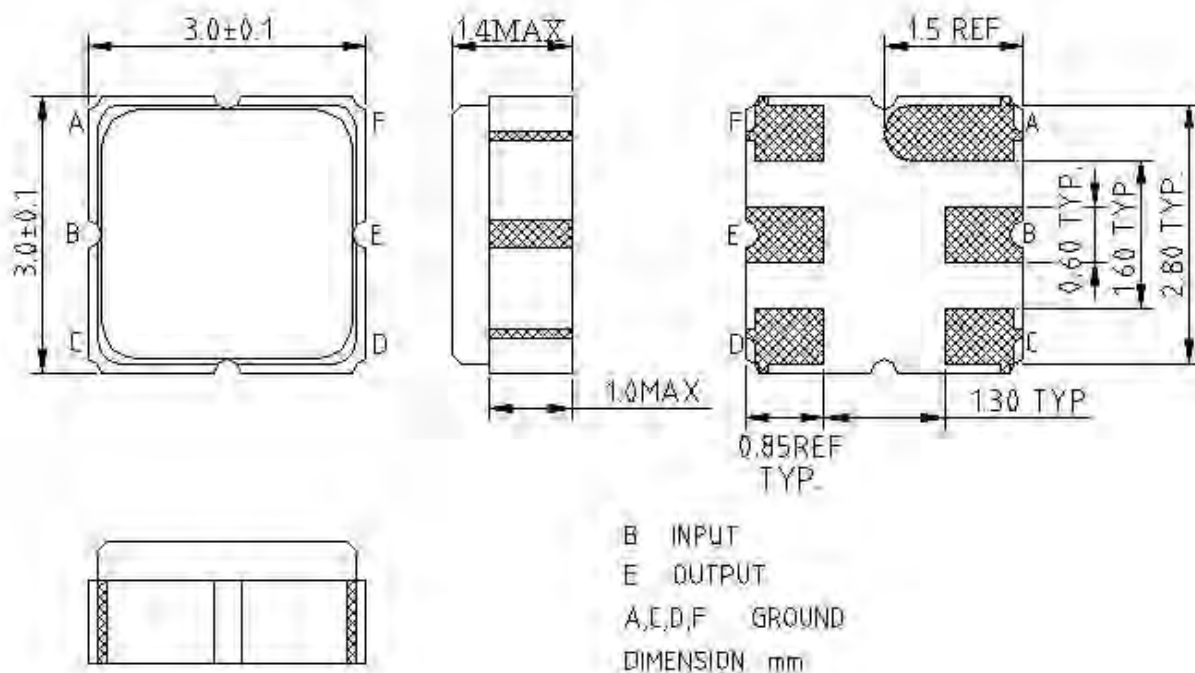
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D. MEASUREMENT CIRCUIT:



E. OUTLINE DRAWING:



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