

SAW Filter 1227.0MHz

Part No: MP11552

Rev. No: 2

A. MAXIMUM RATING:

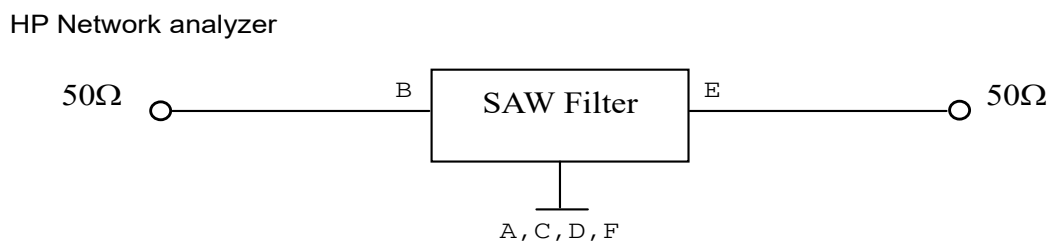
Electrostatic Sensitive Device (ESD)

1. Input Power Level: 20dBm
2. DC Voltage: 3V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -30°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	1227	-	-
Insertion Loss (1217 ~ 1237MHz) IL	dB	-	1.3	2.2	-
Amplitude Ripple (1217 ~ 1237MHz)	dB	-	0.4	2	-
VSWR (1217 ~ 1237MHz)		-	1.3	2	-
Relative Attenuation (relative to 0dB)					
D.C. ~ 450MHz	dB	28	32	-	-
450 ~ 1150MHz	dB	24	27	-	-
1150 ~ 1177MHz	dB	20	37	-	-
1277 ~ 1300MHz	dB	20	35	-	-
1300 ~ 2000MHz	dB	27	31	-	-

C. MEASUREMENT CIRCUIT:

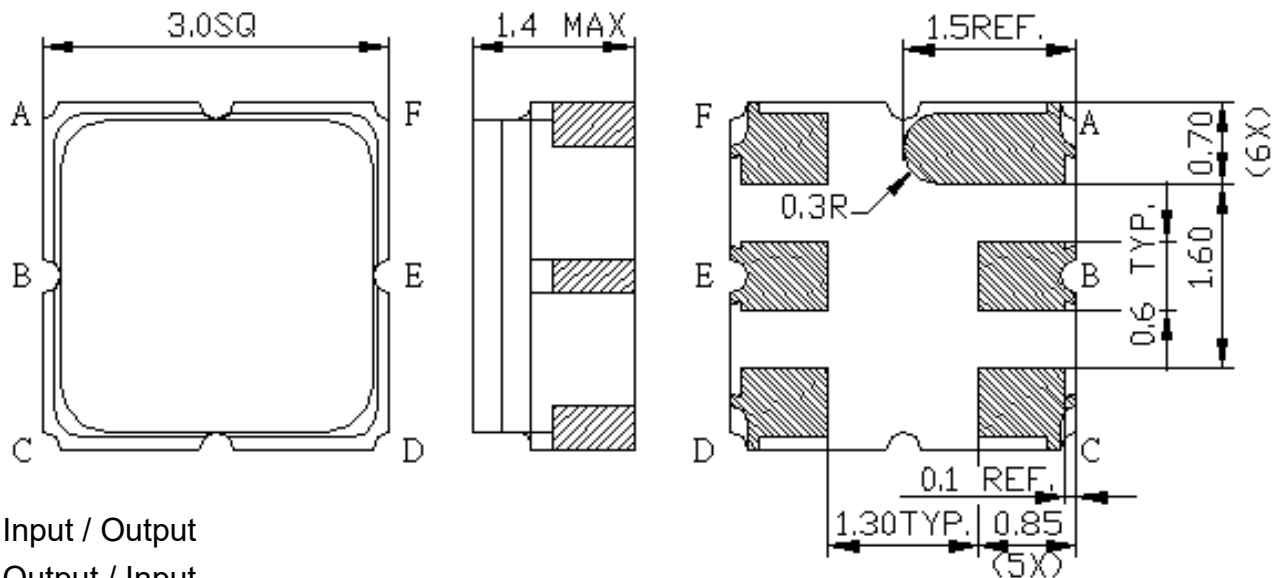


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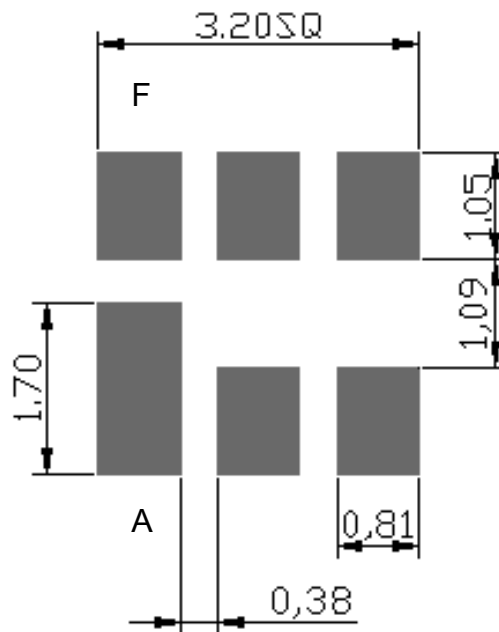
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D. OUTLINE DRAWING:



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

E. PCB FOOTPRINT:

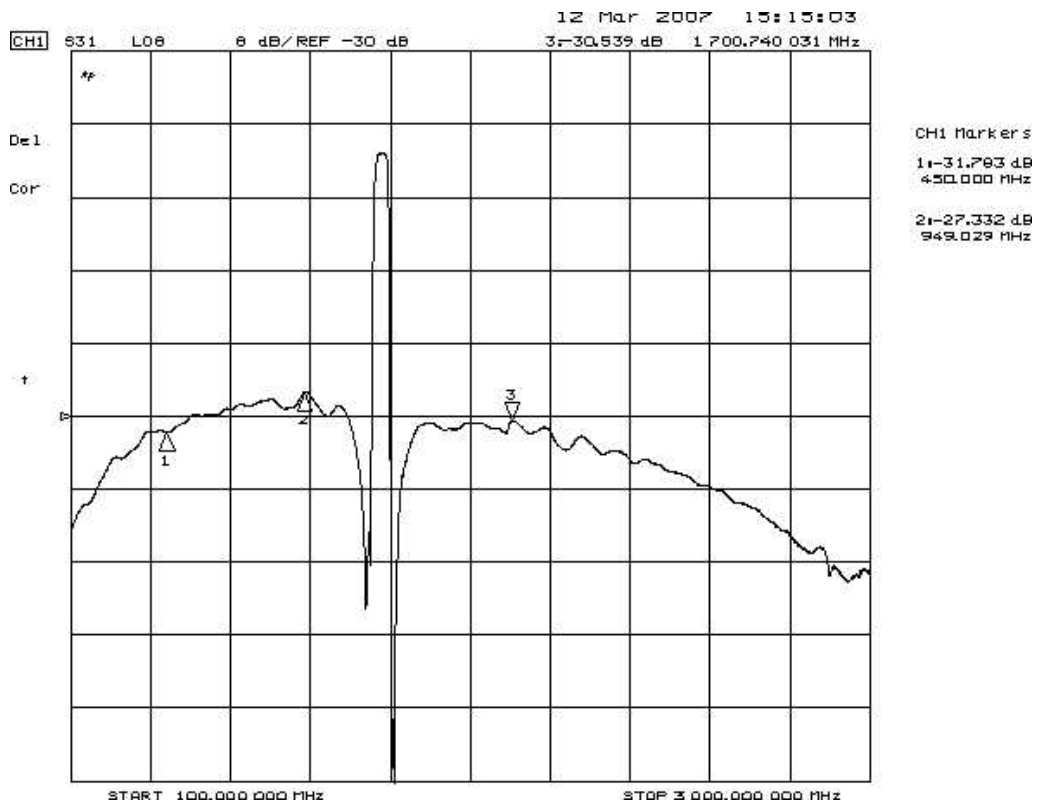
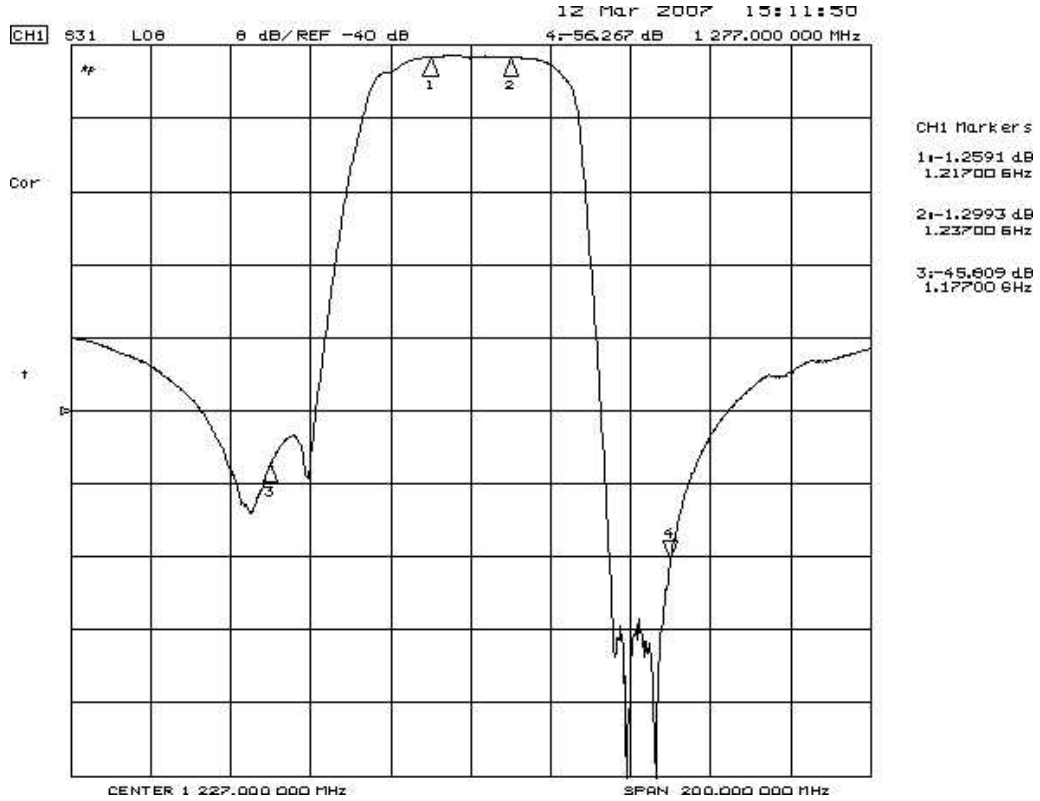


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F. FREQUENCY CHARACTERISTICS:



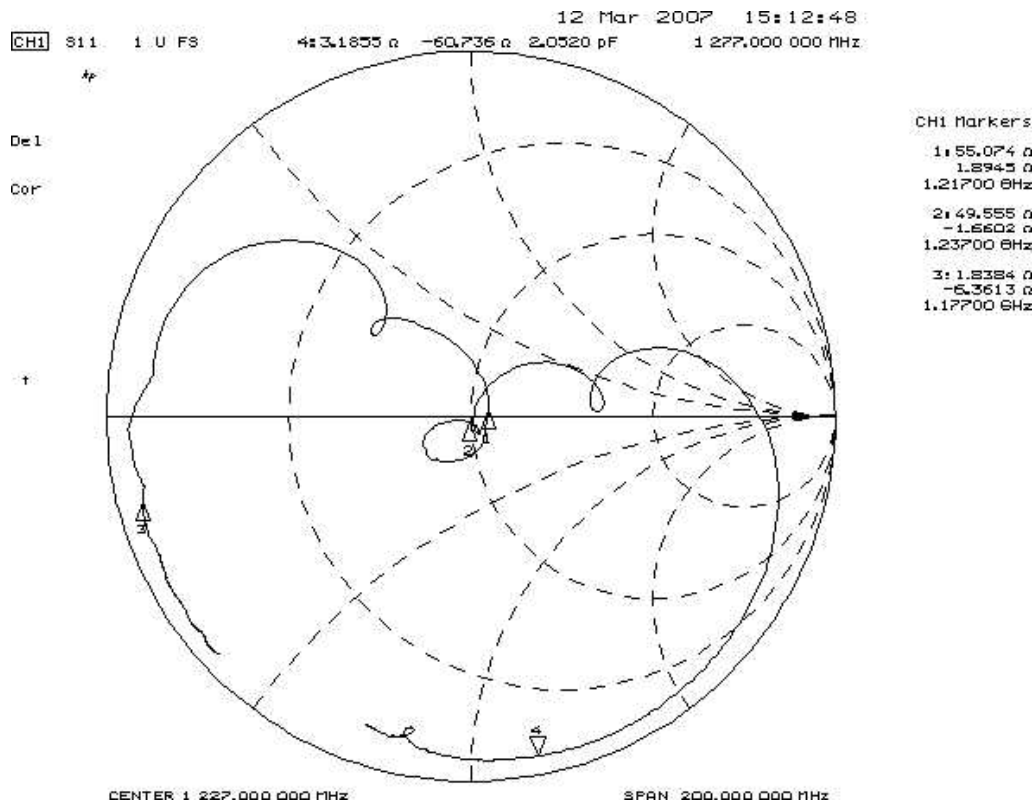
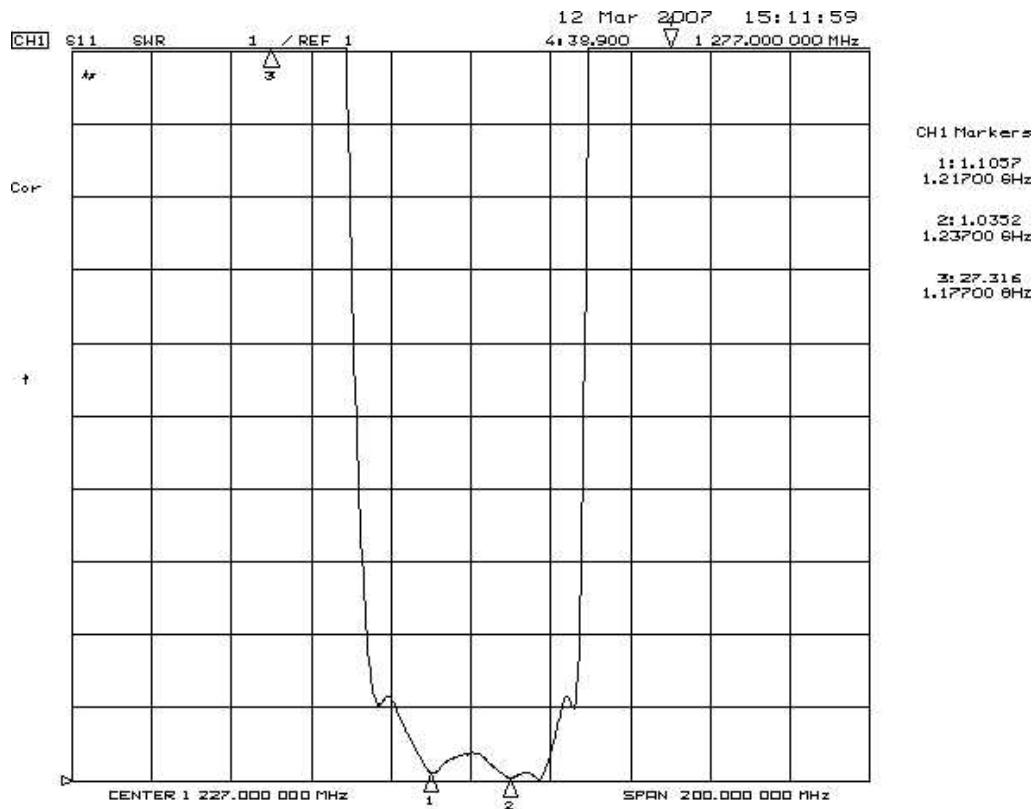
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Reflections Functions

S11 VSWR

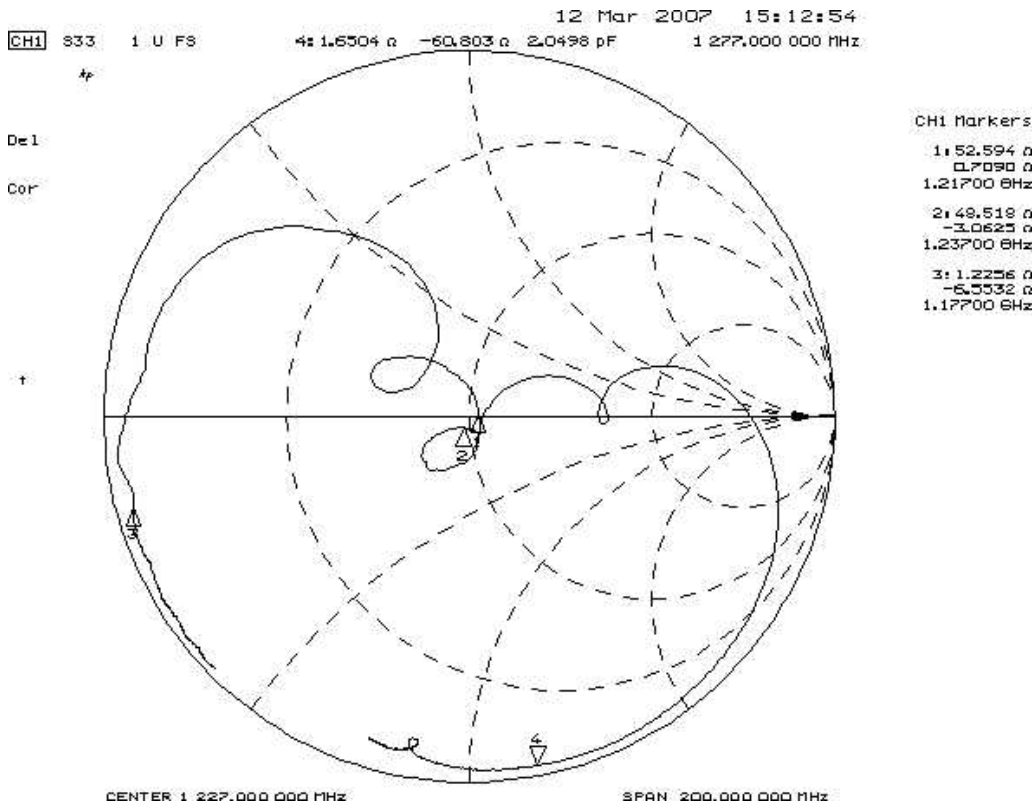
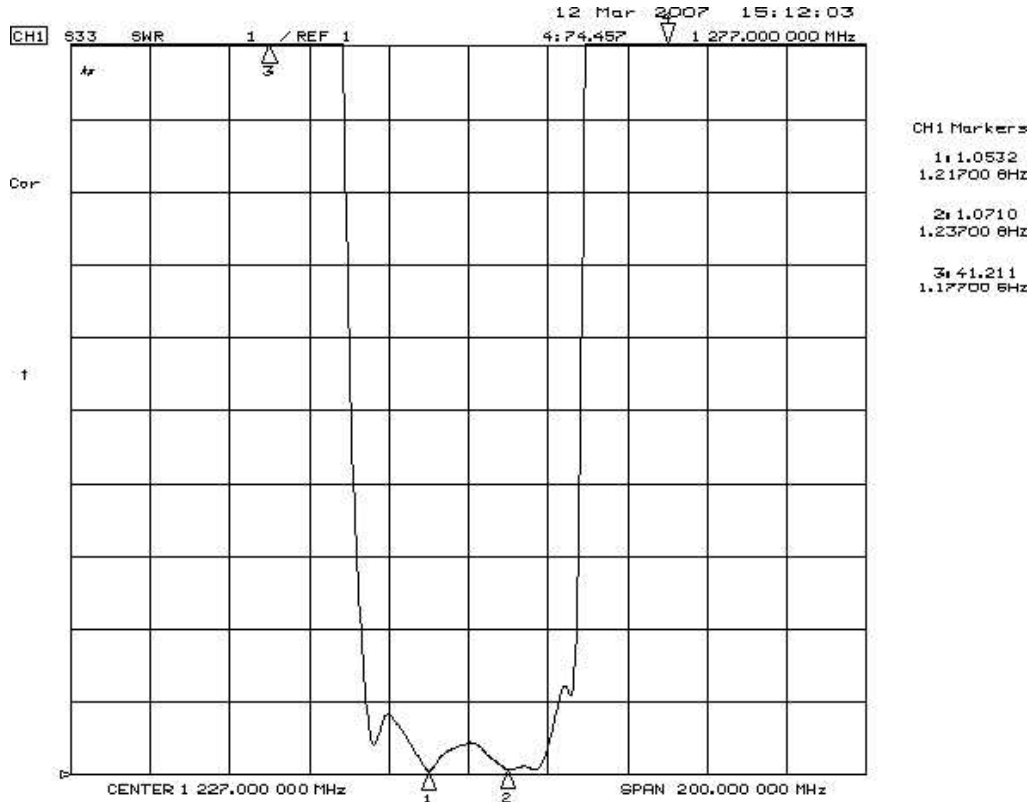


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S22 VSWR



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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 245~260°C peak (min. 10 sec).
4. Time: 2 times.

