

SAW Filter 1227.0MHz

Model: TA1227LL

Part No: MP01667

Rev No: 2

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

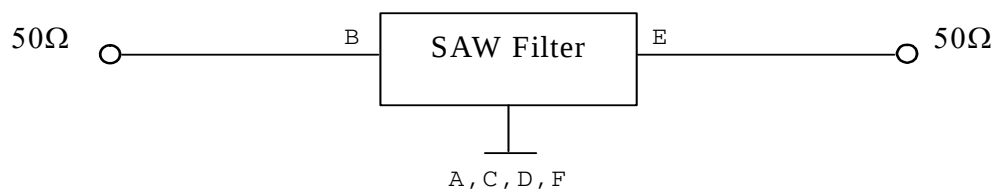
1. Input Power Level: 20dBm
2. DC Voltage: 3V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -30°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	1227	-	-
Insertion Loss at 1227MHz IL	dB	-	0.95	1.3	-
Amplitude Ripple (1217 ~ 1237MHz)	dB	-	0.1	2	-
VSWR (1217 ~ 1237MHz)		-	1.3	2.0	-
Relative Attenuation (relative to 0dB)					
DC ~ 600MHz	dB	10	24.6	-	-
600 ~ 1177MHz	dB	10	21.6	-	-
1277 ~ 1290MHz	dB	20	36	-	-
1290 ~ 3000MHz	dB	10	25.2	-	-

C. MEASUREMENT CIRCUIT:

HP Network analyzer



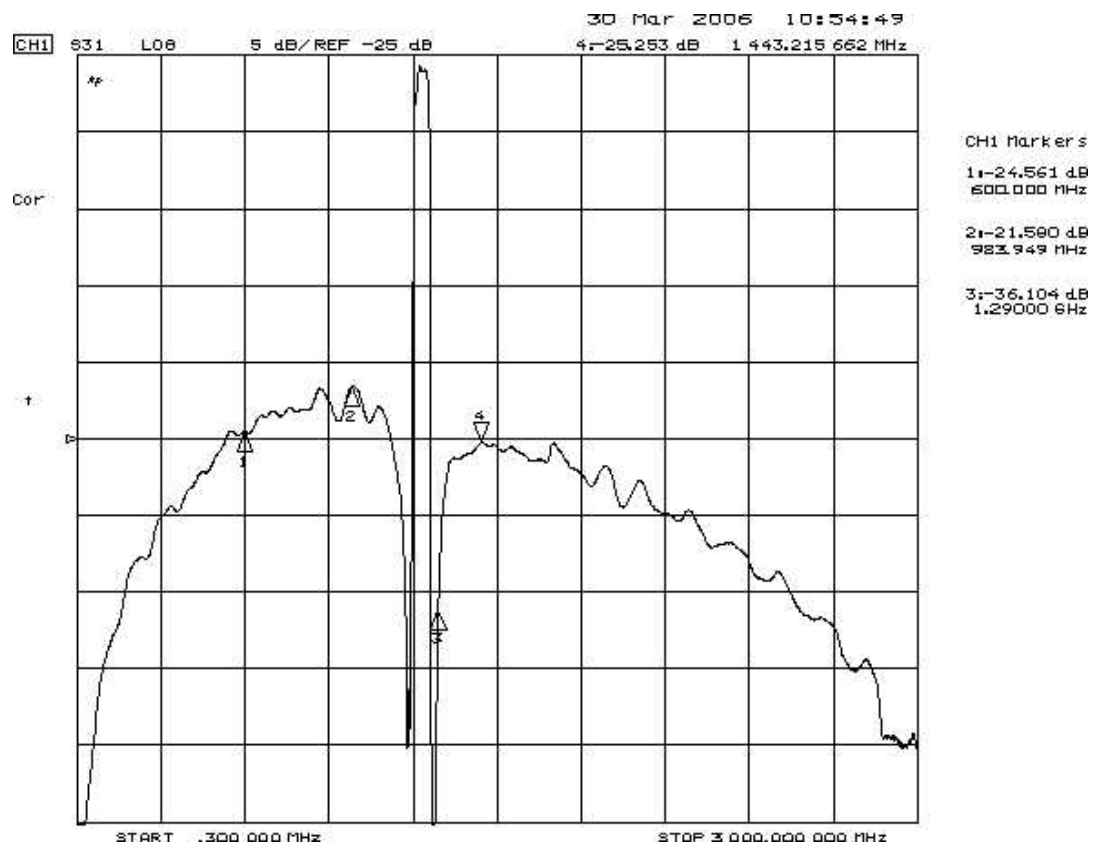
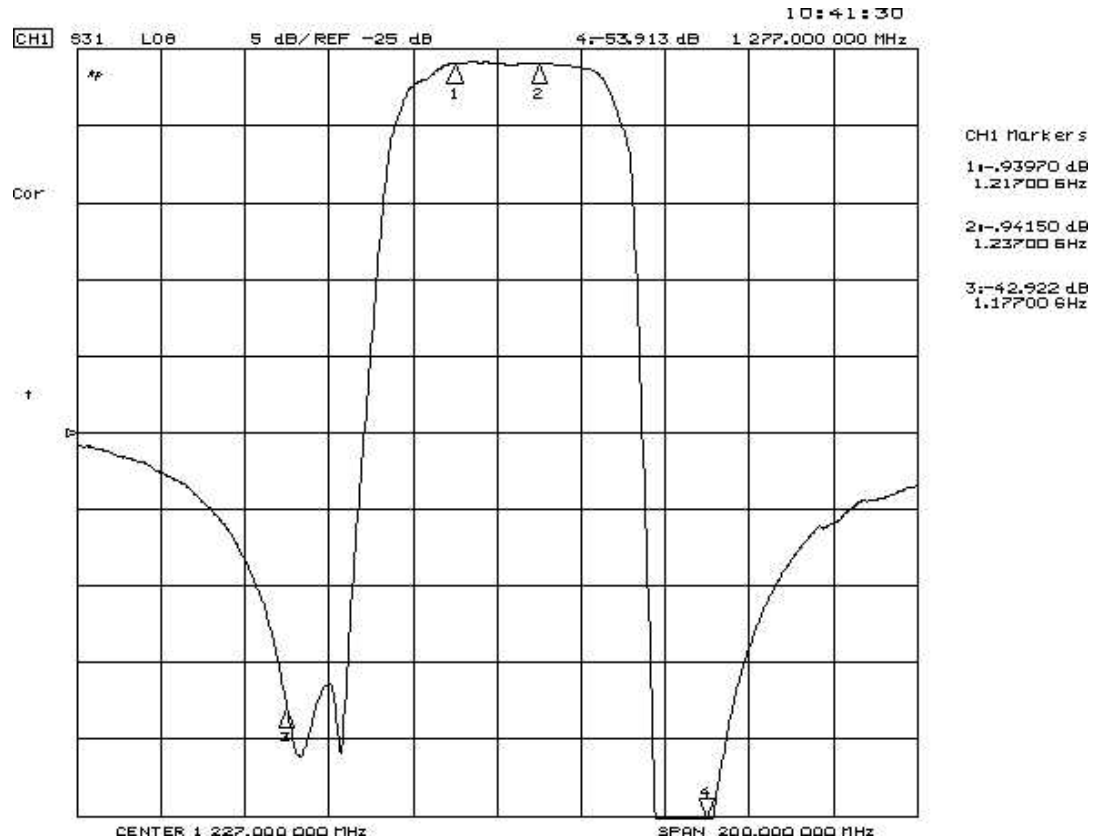
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F. FREQUENCY CHARACTERISTICS:

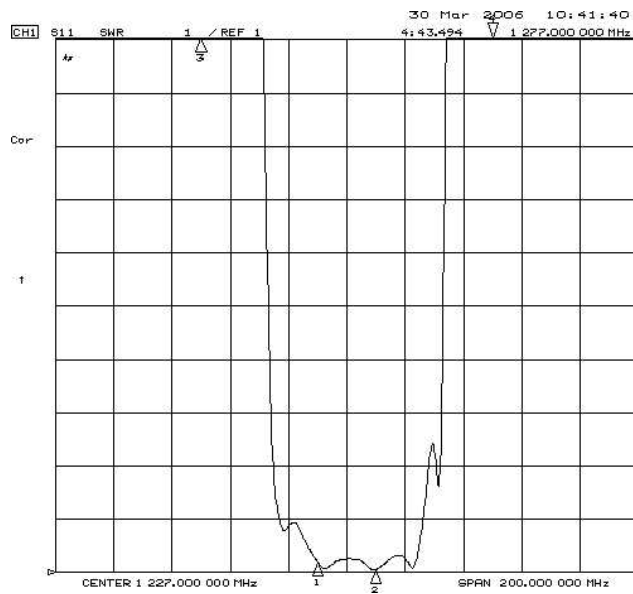


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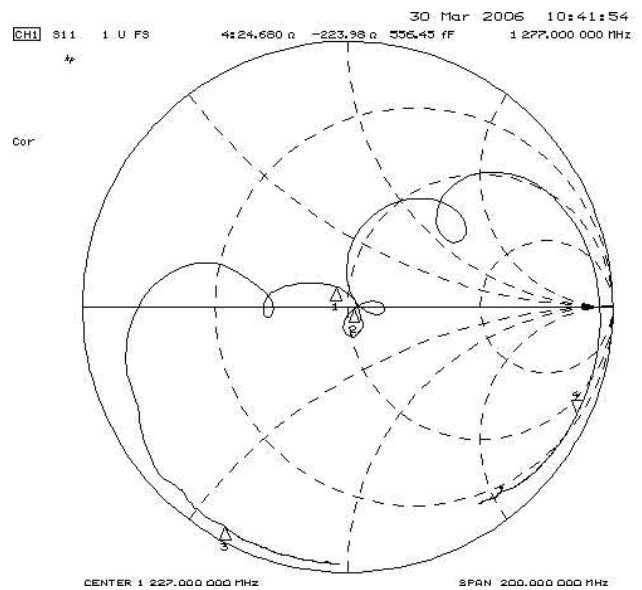
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Reflections Functions

S11 VSWR

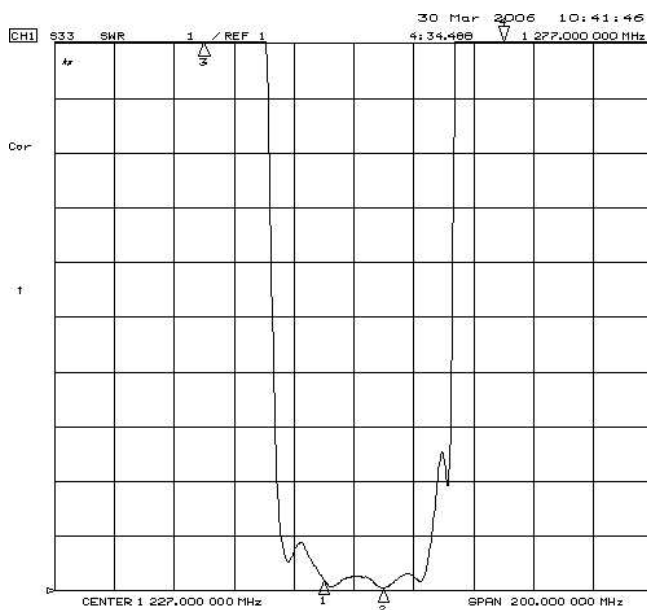


CH1 Markers
 1: 1.1934
 1.21700 GHz
 2: 1.0527
 1.23700 GHz
 3: 37.229
 1.17700 GHz

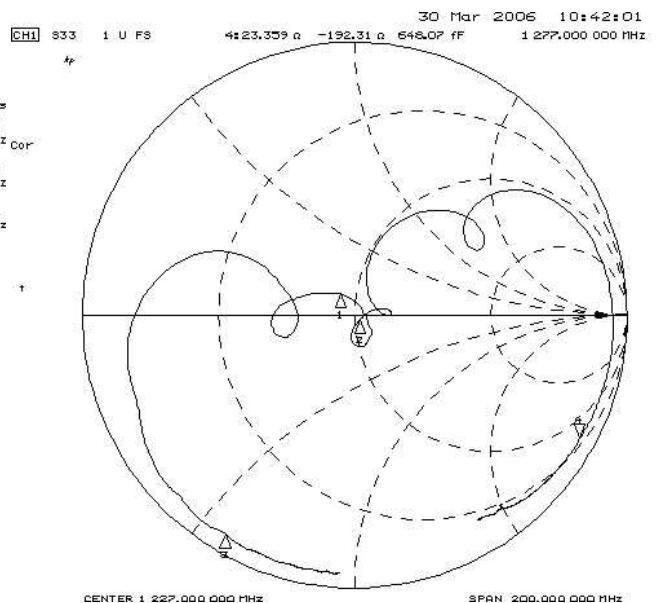


CH1 Markers
 1: 45.289 a
 7.0352 a
 1.21700 GHz
 2: 52.523 a
 -744.14 na
 1.23700 GHz
 3: 1.7930 a
 -29.343 a
 1.17700 GHz

S22 VSWR



CH1 Markers
 1: 1.2039
 1.21700 GHz
 2: 1.0520
 1.23700 GHz
 3: 28.312
 1.17700 GHz



CH1 Markers
 1: 44.656 a
 6.9727 a
 1.21700 GHz
 2: 52.111 a
 -1.4980 a
 1.23700 GHz
 3: 2.3330 a
 -28.442 a
 1.17700 GHz

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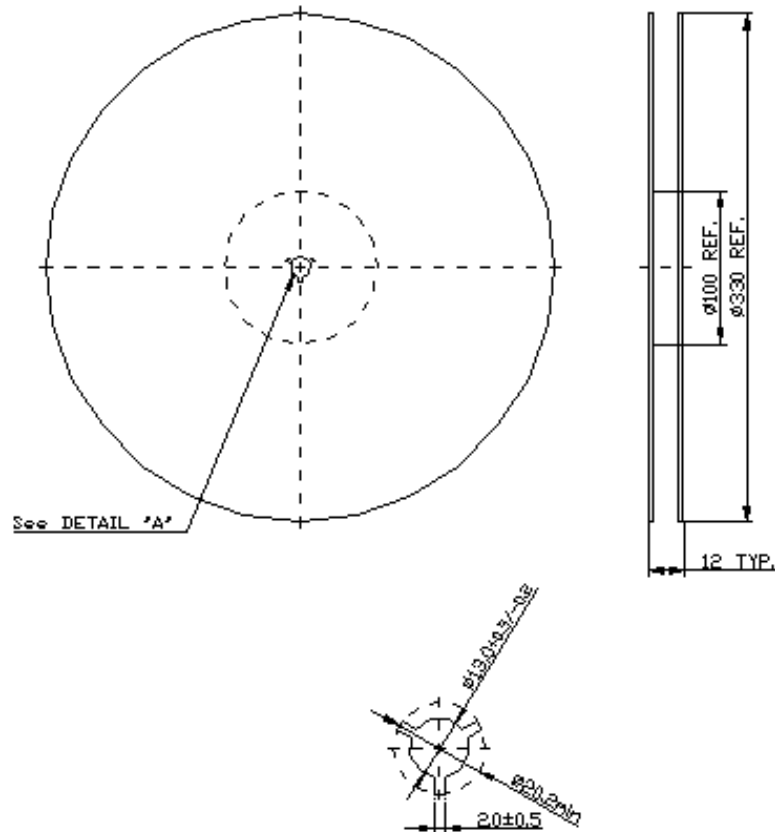
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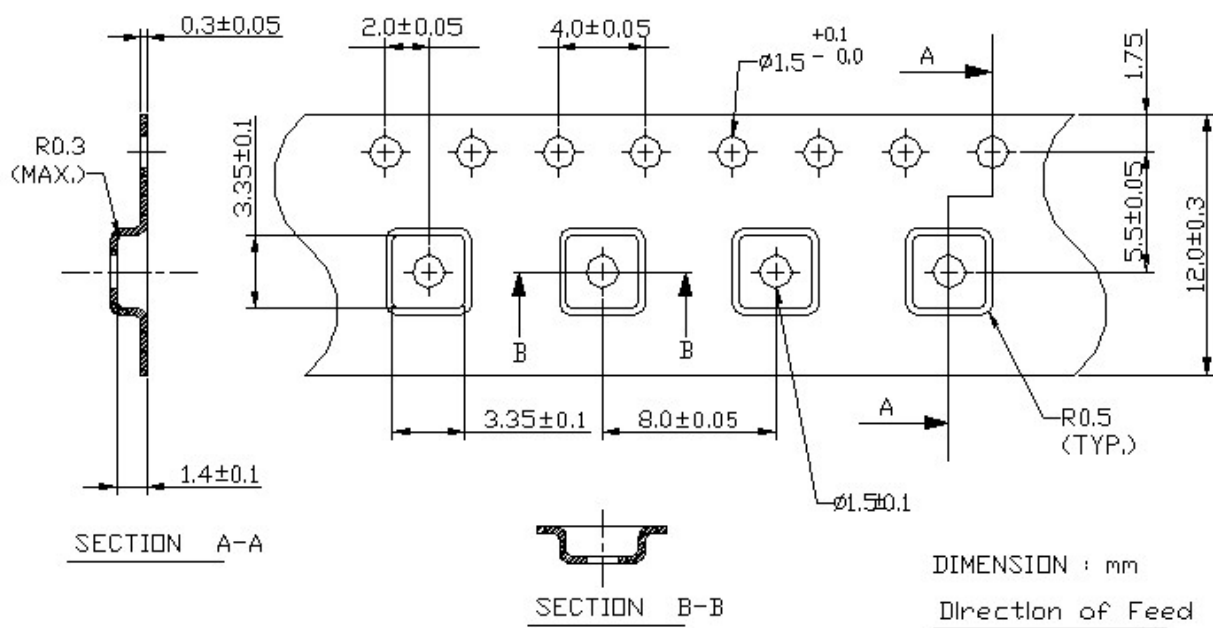
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G. PACKING:

1. Reel Dimension (Reel Count: 7" = 1000; 13" = 3000)



2. Tape Dimension



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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.

