

SAW Filter 874.55MHz
Part No: MP01633

Model: TA0512A
Rev No: 1

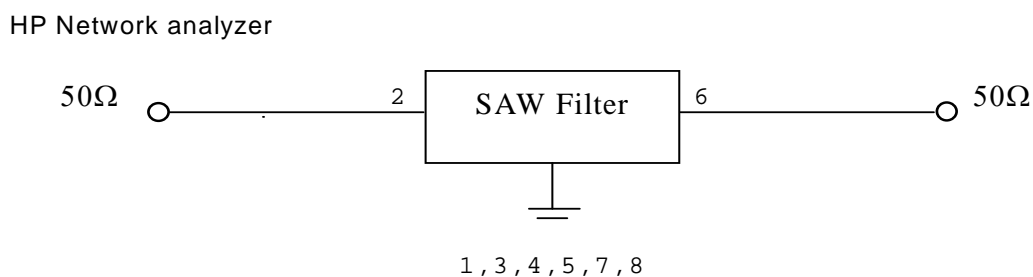
A. MAXIMUM RATING:

1. Input Power Level: 13dBm
2. DC voltage: 5 V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -30°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	874.55	-
1.5 - dB Bandwidth	MHz	-	Fc ± 4.6	-
Operational Bandwidth	MHz	870	-	879.1
Insertion Loss at Fc	dB	-	2.7	3.5
Amplitude Variation (870 ~ 879.1MHz)	dB	-	0.5	1.5
Attenuation (Reference level from 0dB)				
0 ~ 850MHz	dB	35	59	-
850 ~ 859MHz	dB	10	33	-
888 ~ 893 MHz	dB	10	28	-
893 ~ 902MHz	dB	30	38	-
902 ~ 2000MHz	dB	34	37	-
Input/Output VSWR (870 ~ 879.1MHz)		-	1.7	2.5
Source impedance Z _s	Ω	-	50	-
Load impedance Z _L	Ω	-	50	-

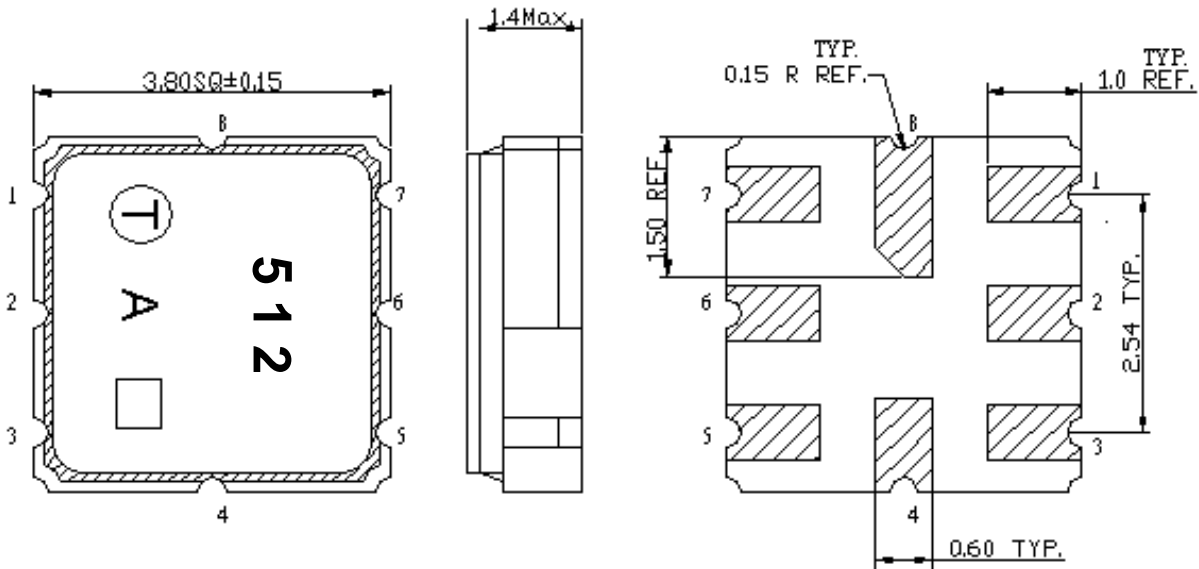
C. MEASUREMENT CIRCUIT:



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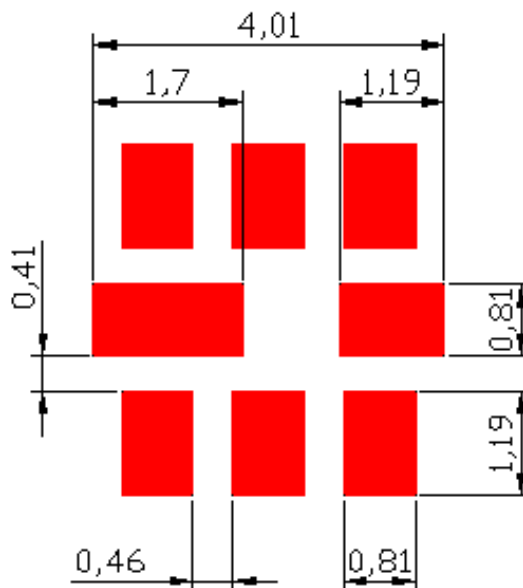
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D. OUTLINE DRAWING:



- 2: Input
- 6: Output
- 1, 3, 4, 5, 7, 8: Ground
- Unit: mm

E. PCB FOOTPRINT:

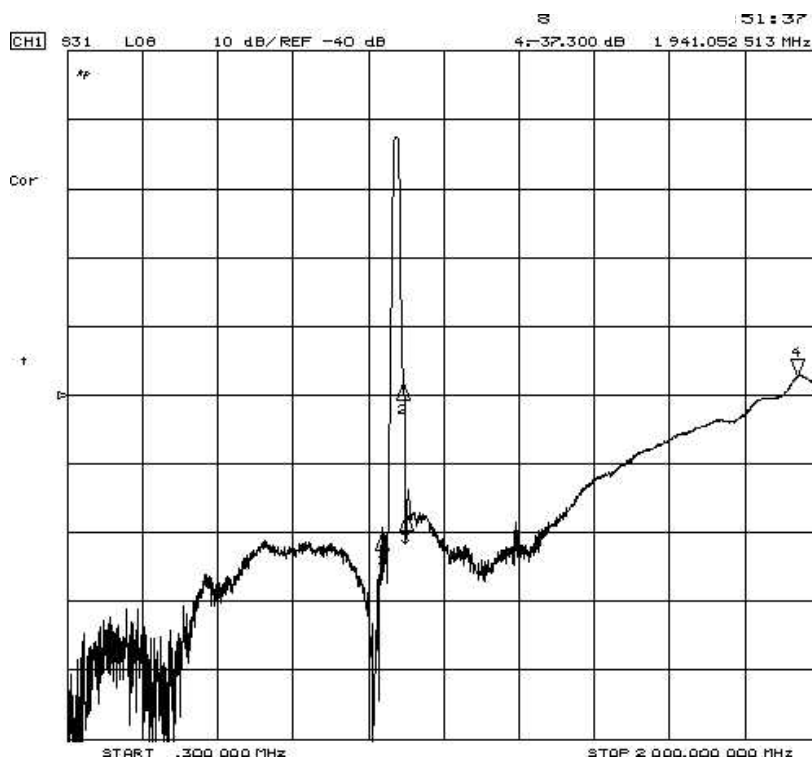
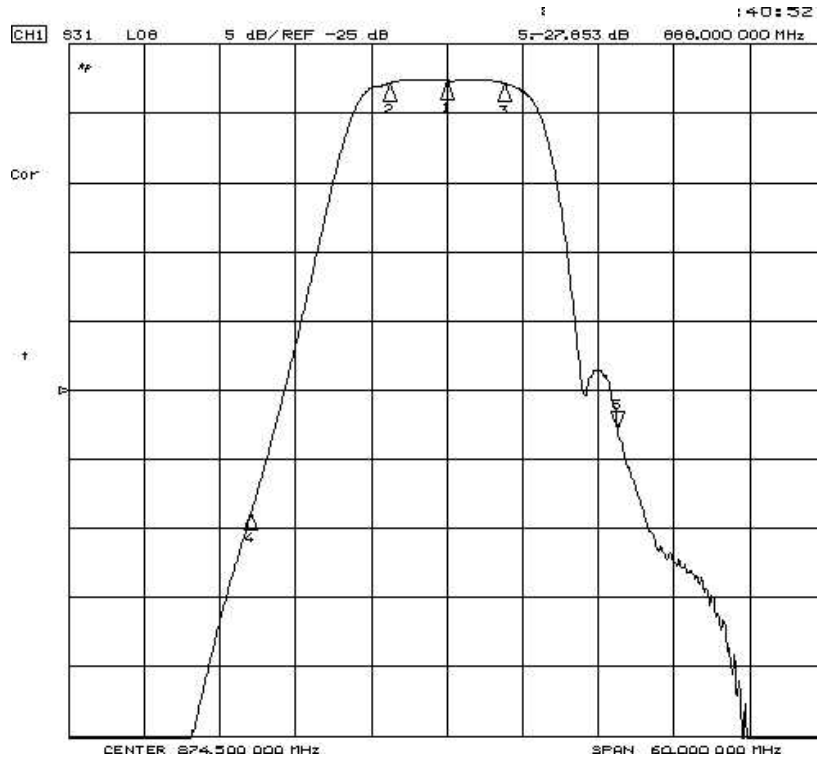


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F. FREQUENCY CHARACTERISTICS:

Transfer function

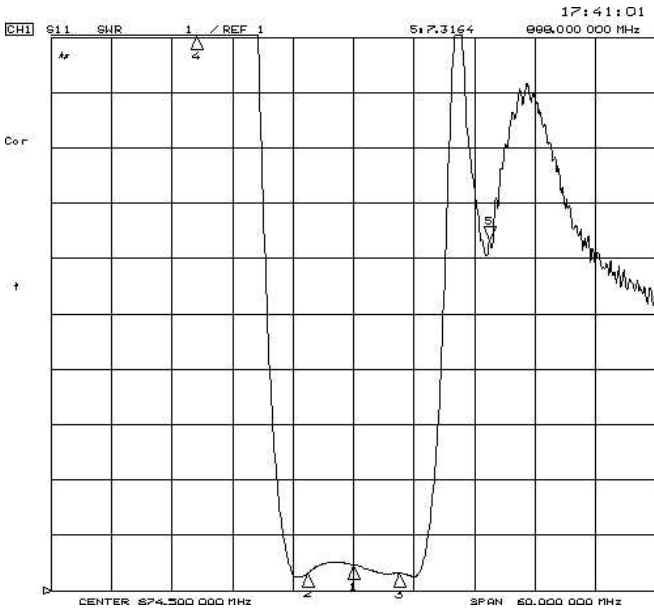


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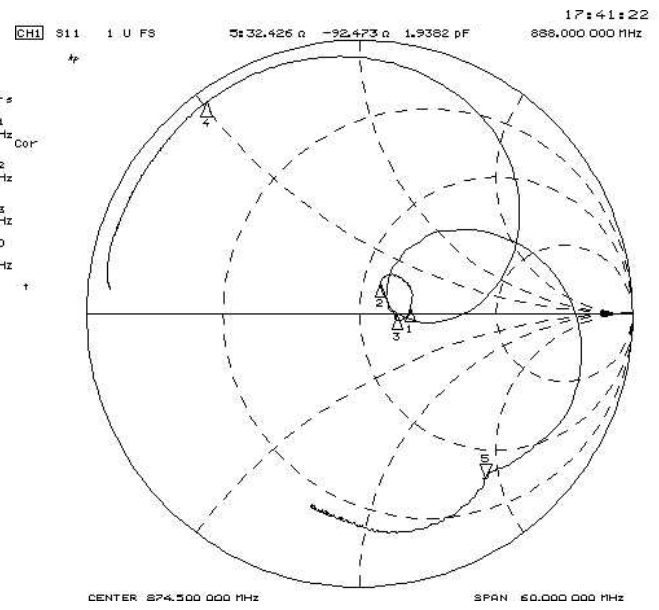
Reflections Functions

S11



CHI Markers

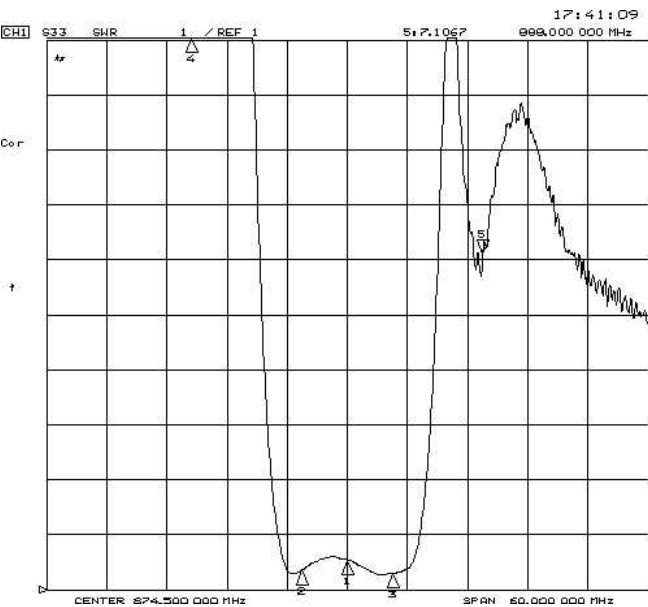
1:	1.4651	874.550 MHz
2:	1.3232	870.000 MHz
3:	1.3213	879.100 MHz
4:	44.320	859.000 MHz



CHI Markers

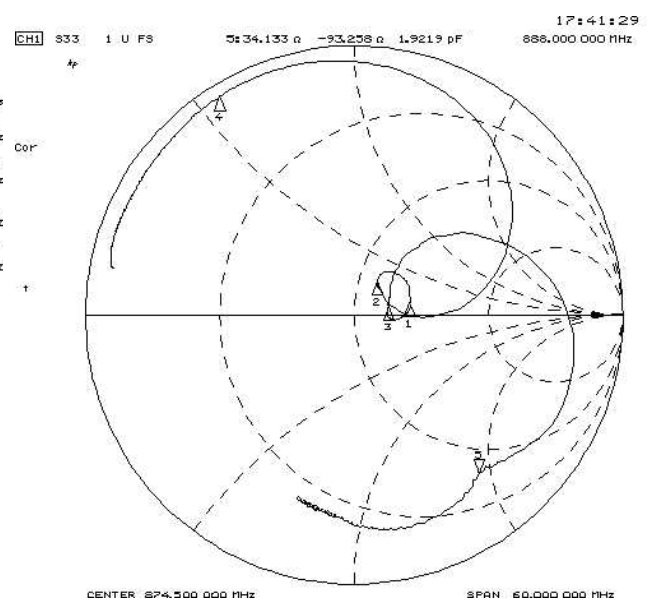
1:	72.996 ohms	3.2461 ohms	874.550 MHz
2:	56.695 ohms	13.270 ohms	870.000 MHz
3:	66.039 ohms	-785.16 ohms	879.100 MHz
4:	1.4131 ohms	25.553 ohms	859.000 MHz

S22



CHI Markers

1:	1.5404	874.550 MHz
2:	1.3596	870.000 MHz
3:	1.3063	879.100 MHz
4:	42.755	859.000 MHz



CHI Markers

1:	75.959 ohms	7.0937 ohms	874.550 MHz
2:	57.434 ohms	14.813 ohms	870.000 MHz
3:	64.617 ohms	4.2891 ohms	879.100 MHz
4:	1.5439 ohms	27.951 ohms	859.000 MHz

