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Golledge Electronics Ltd
Eaglewood Park, ILMINSTER
Somerset, TA19 9DQ, UK

SAW Filter 874.55MHz — Model: TA0512A
Part No: MP01633 — Rev No: 1

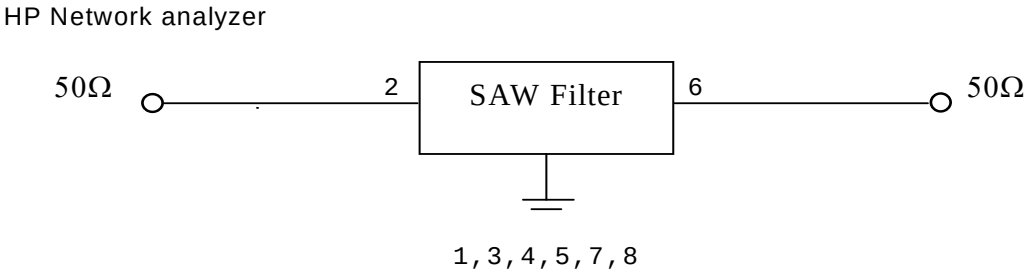
A. MAXIMUM RATING:

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:

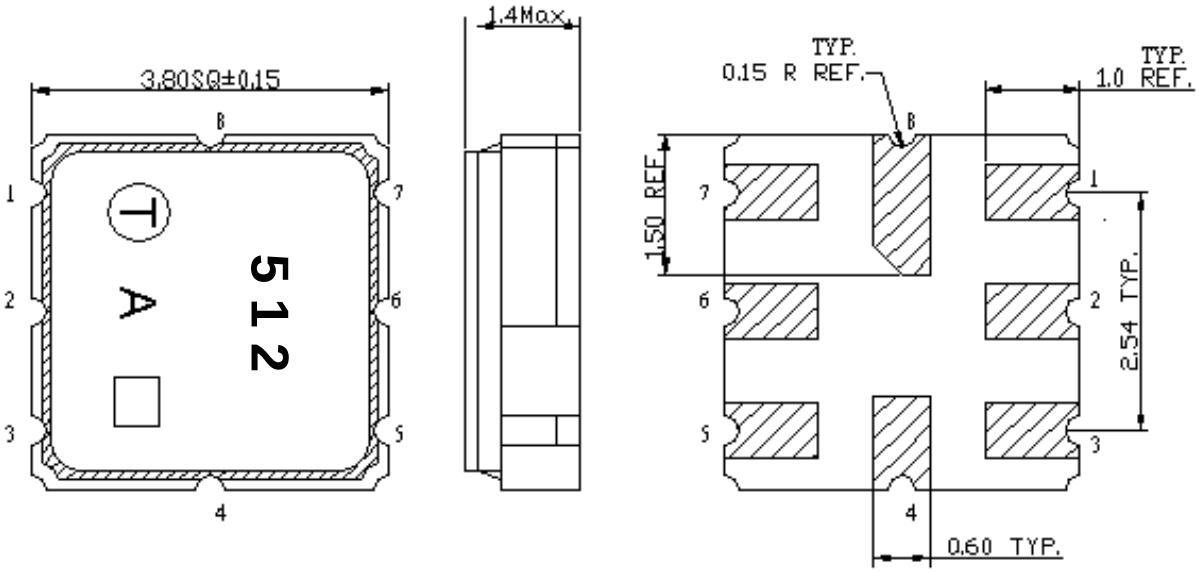


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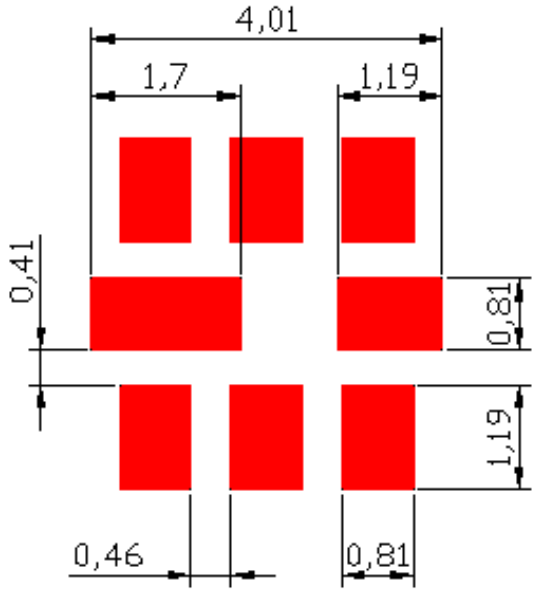
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D. OUTLINE DRAWING:



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

E. PCB FOOTPRINT:



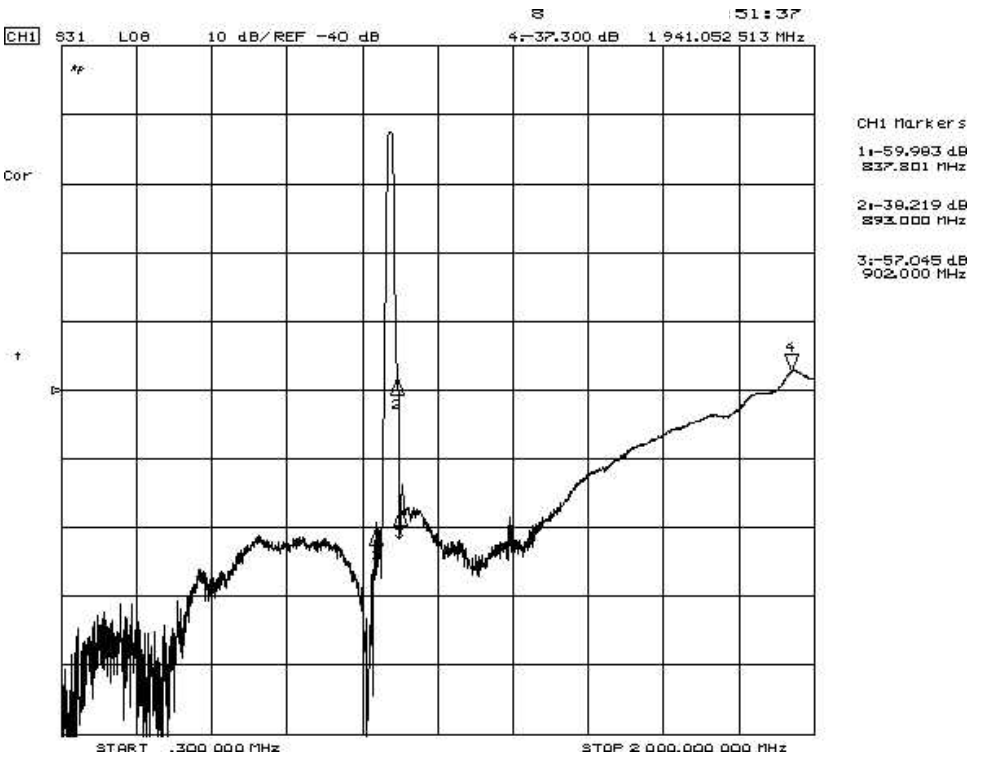
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F. FREQUENCY CHARACTERISTICS:

Transfer function





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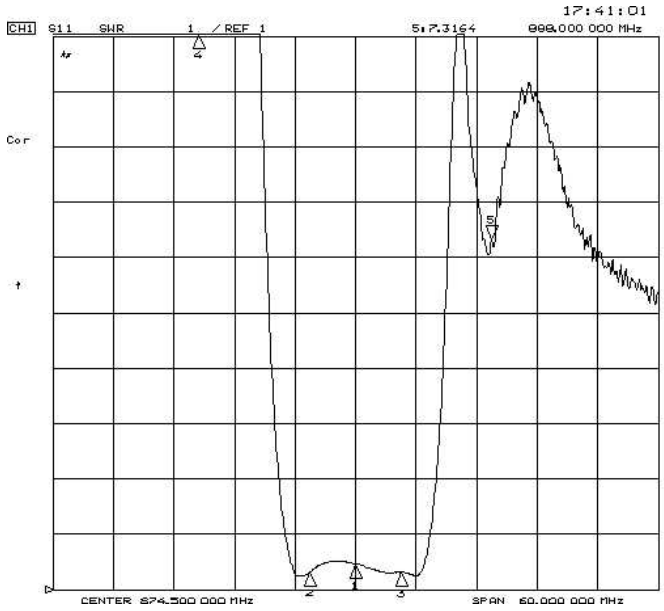
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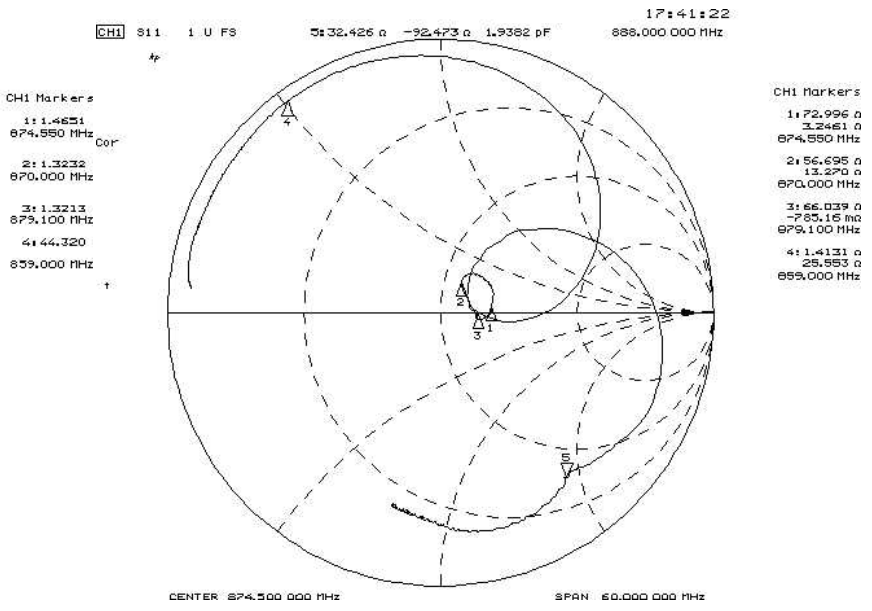
SAW Filter 874.55MHz — Model: TA0512A

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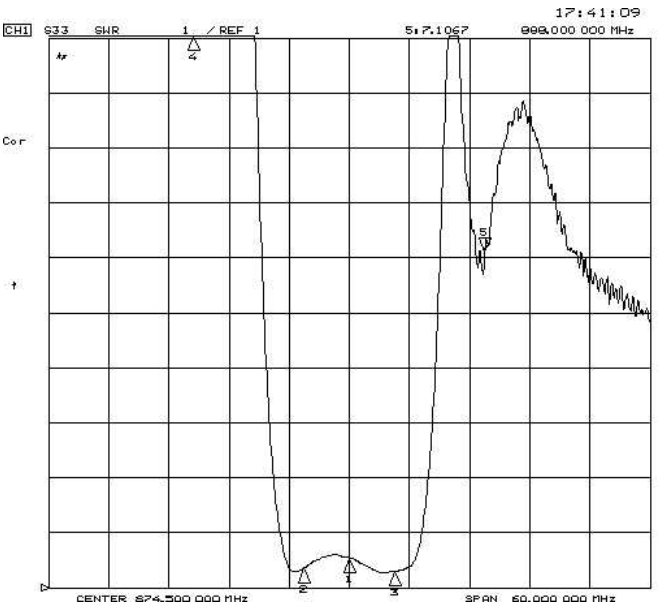
Reflections Functions

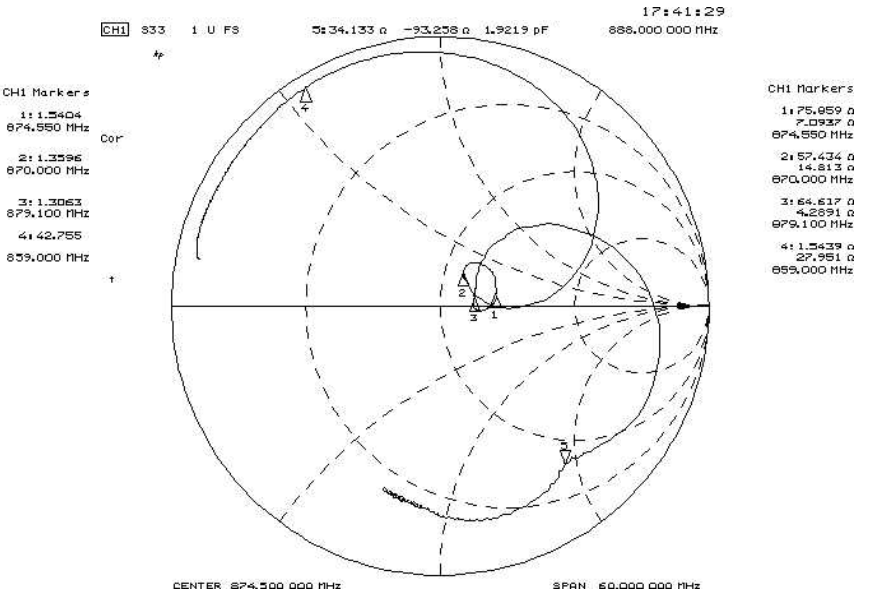
S11





S22



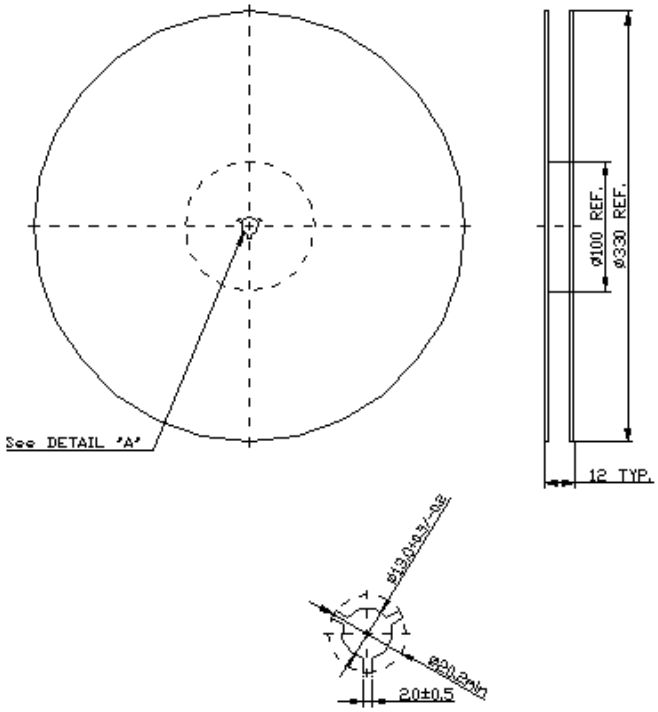


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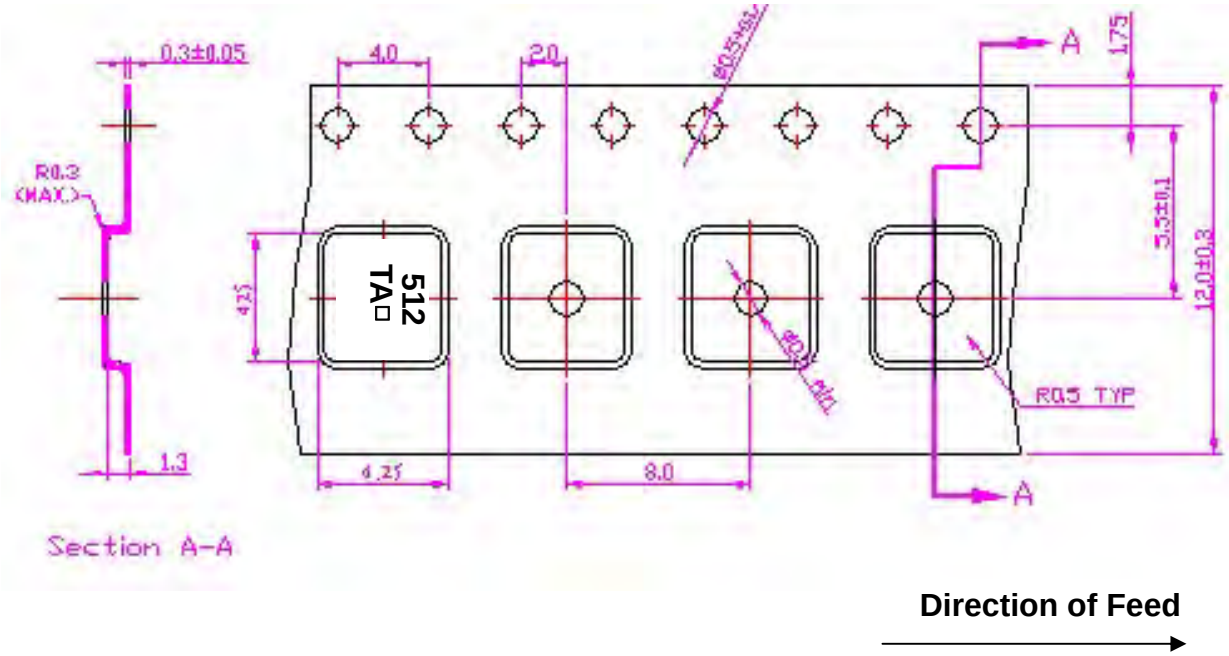
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G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



Direction of Feed