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

SAW Filter 881.50MHz — Model: TA881GG
Part No: MA05722 — Rev. No: 3

A. MAXIMUM RATING:

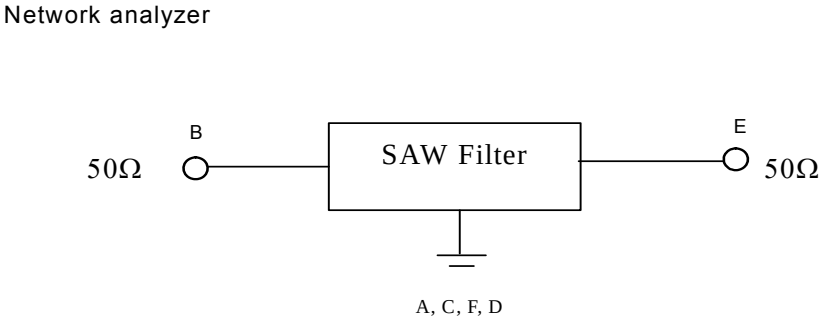
Electrostatic **S**ensitive **D**evice (**ESD**)

1. Input Power Level: +15dBm
2. DC voltage: -5V ~ +5V
3. Operating Temperature: -30°C ~ +85°C
4. Storage Temperature: -40°C ~ +100°C

B. ELECTRICAL CHARACTERISTICS:

Characteristics	Min.	Typ.	Max.
Center frequency Fc MHz	-	881.5	-
Insertion loss (869 ~ 894MHz) I.L. dB	-	2.8	3.5
V.S.W.R(869 ~ 894MHz) dB	-	1.6	2.0
Ripple(869 ~ 894MHz) dB	-	0.7	1.6
Attenuation: (Reference level from 0dB)			
D.C. ~ 779 MHz dB	50	60.1	-
779 ~ 849 MHz dB	45	49.8	-
914 ~ 970 MHz dB	28	31.1	-
970 ~ 1049 MHz dB	50	62.1	-
1049 ~ 2000 MHz dB	40	47.2	-
Impedance at Fc			
Input $Z_{IN} = R_{IN} // C_{IN}$	50Ω // 0pF		
Output $Z_{OUT} = R_{OUT} // C_{OUT}$	50Ω // 0pF		

C. MEASUREMENT CIRCUIT:



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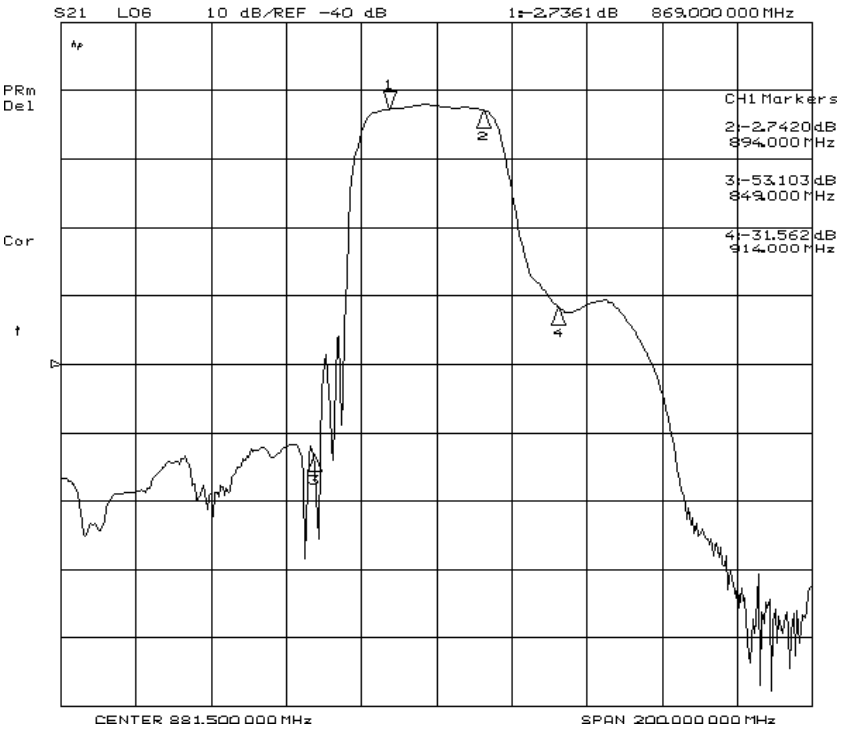
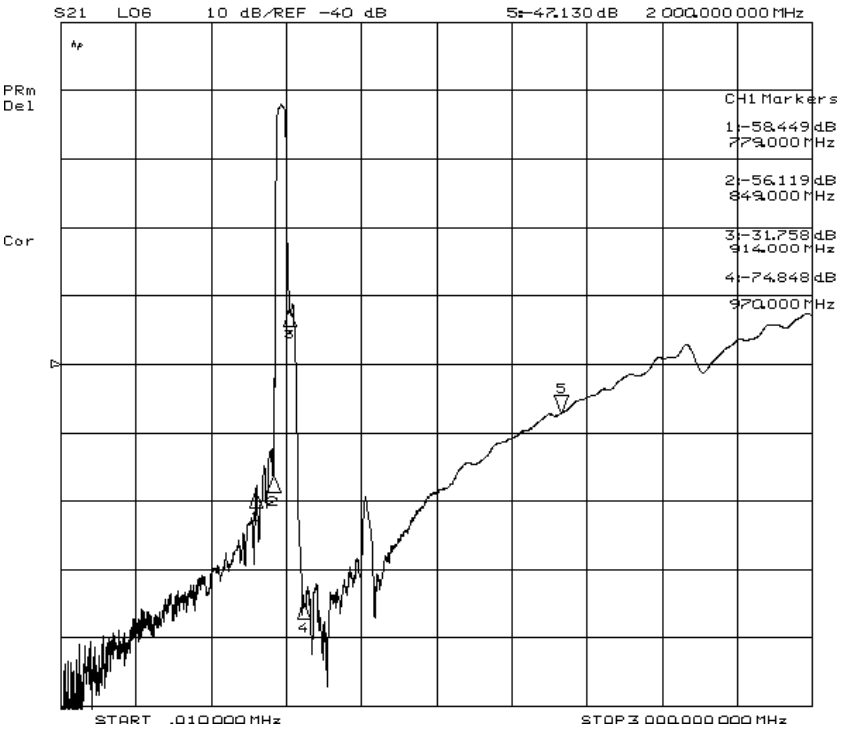
D. FREQUENCY CHRACTERISTICS:

1. Wideband response





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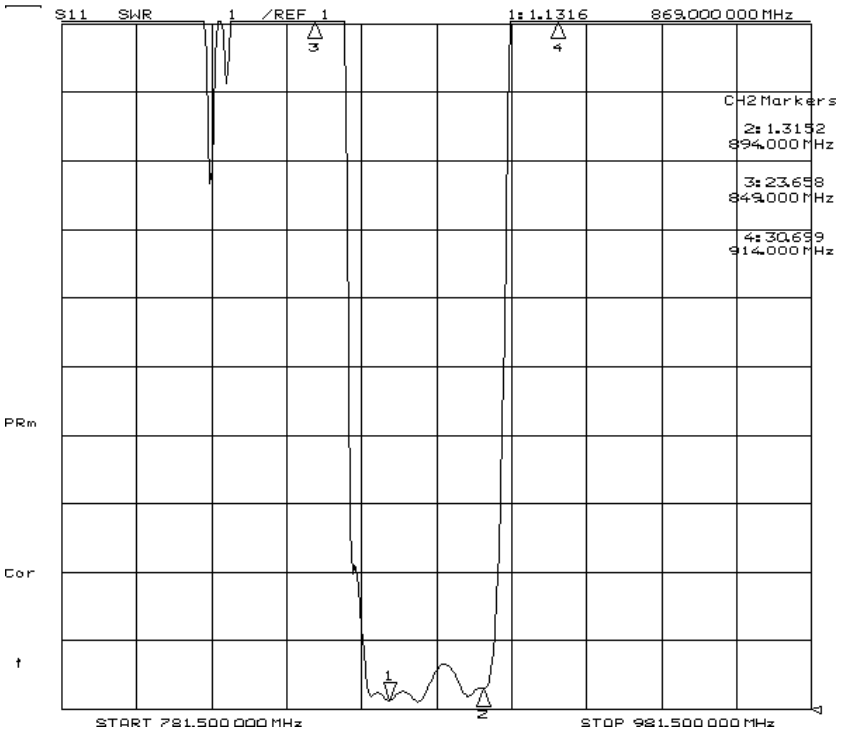
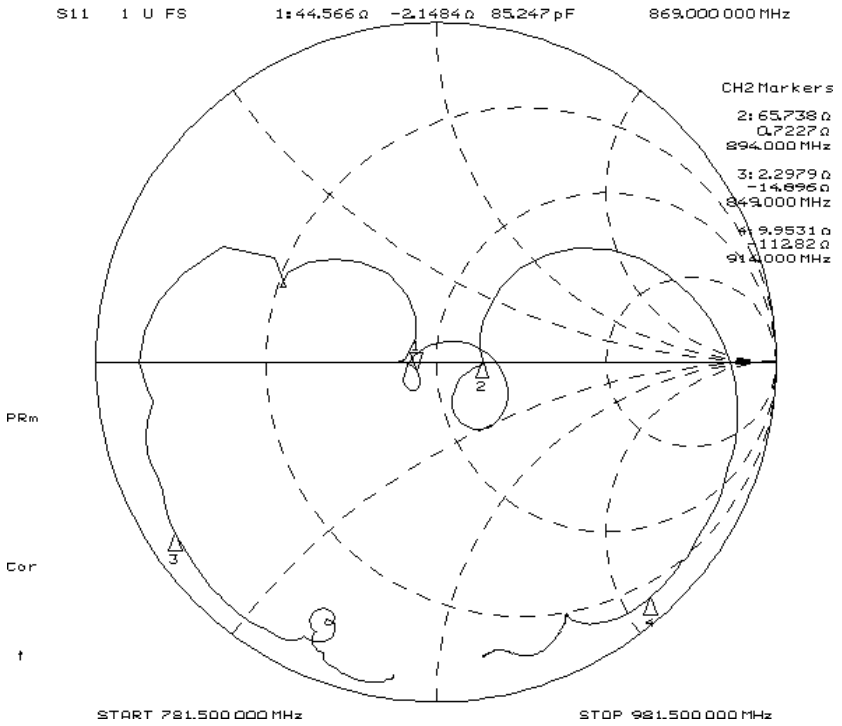
2. VSWR and smith chart

S11





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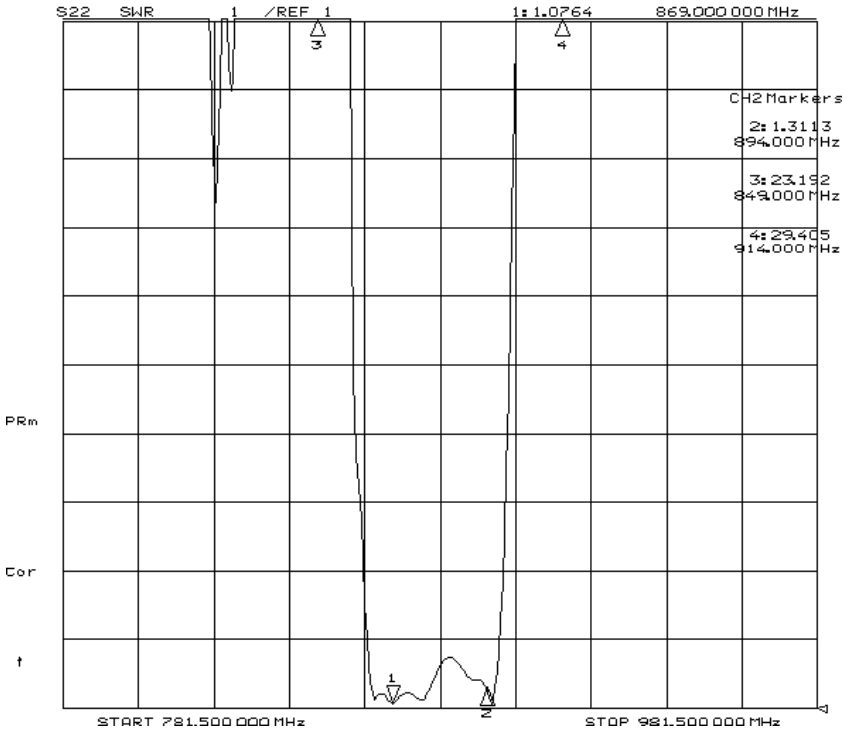
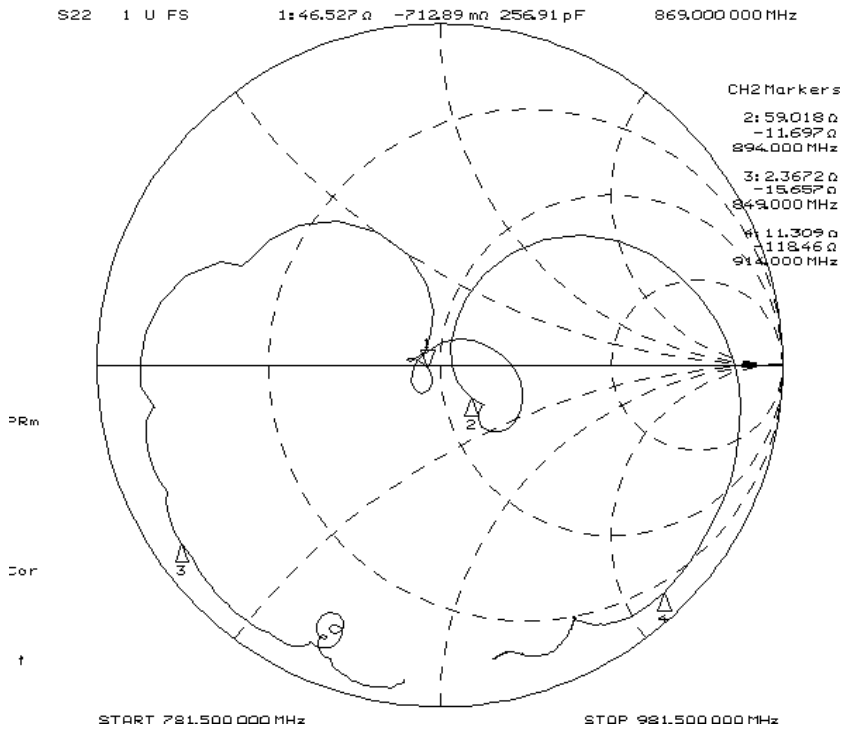
Part No: MA05722 — Rev. No: 3

S22





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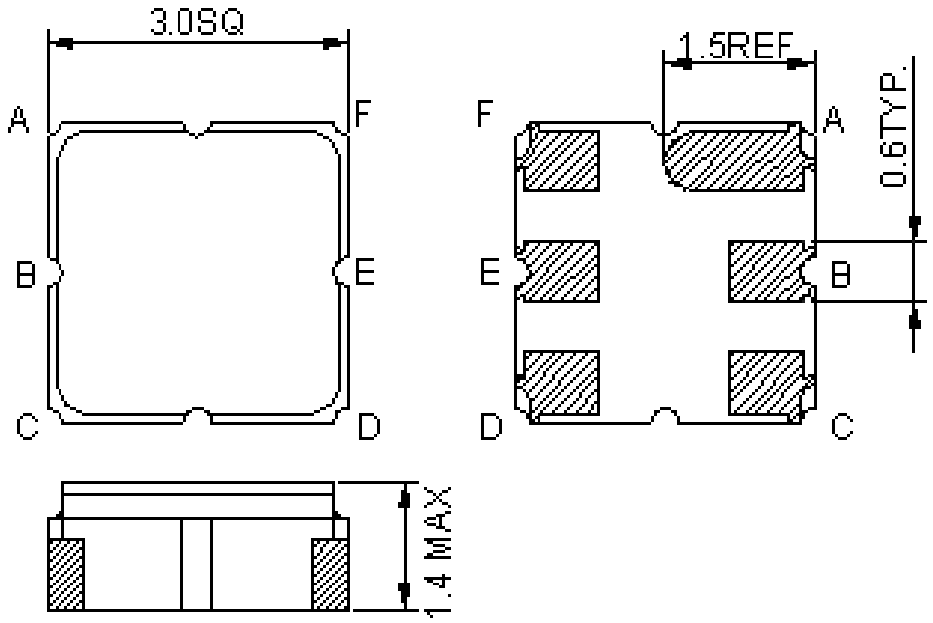
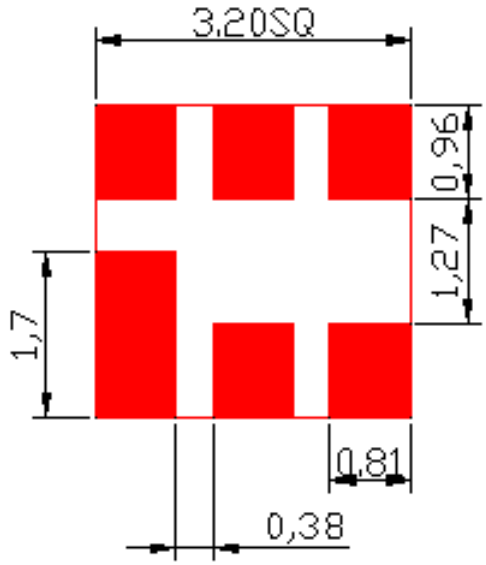
E. OUTLINE DRAWING:



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

F. PCB FOOTPRINT:



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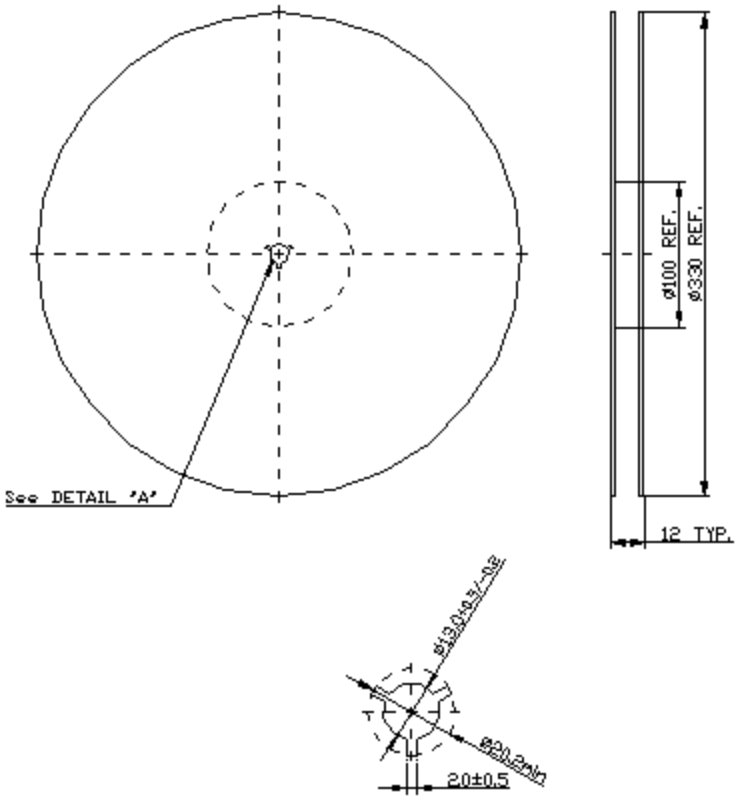
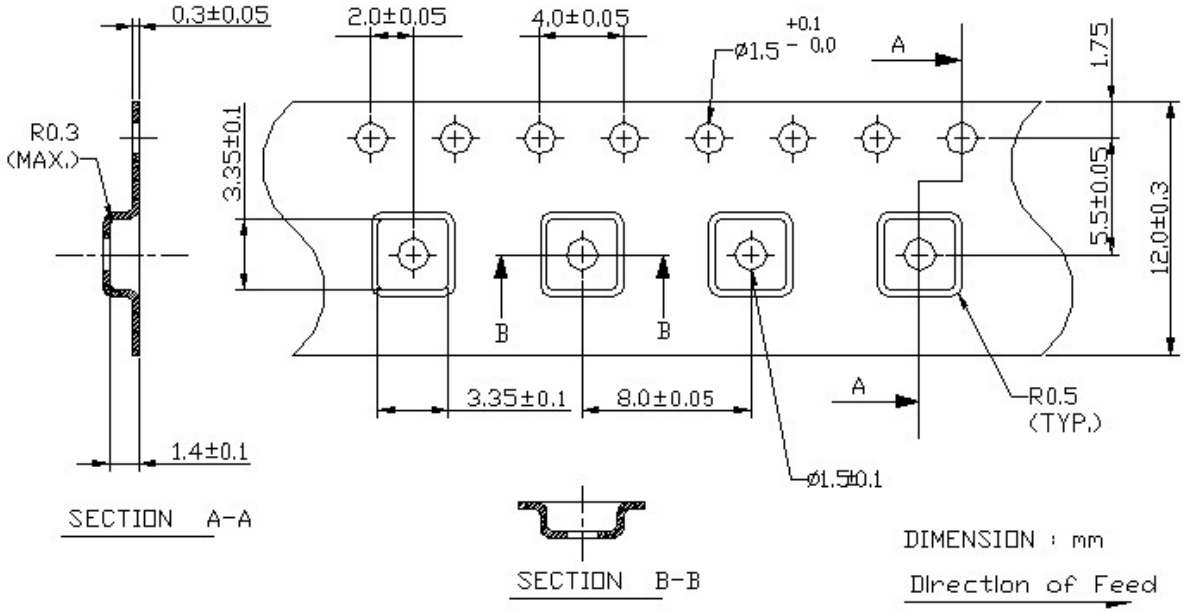
G. PACKING:

1. Reel Dimension



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.