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Eaglewood Park, ILMINSTER
Somerset, TA19 9DQ, UK

SAW Filter 881.50MHz — Model: TA1020A
Part No: MP04308 — Rev No: 1

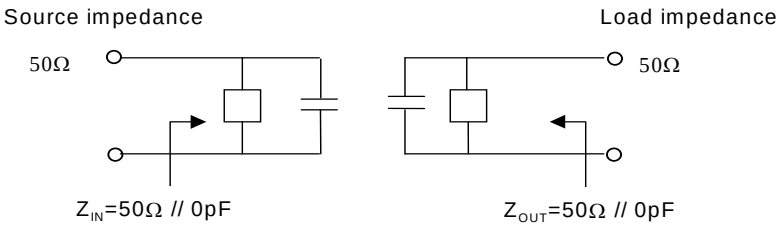
A. MAXIMUM RATING:

1. Input Power Level: +15dBm
2. DC voltage: -5 ~ +5V
3. Operating Temperature: -40°C ~ +70°C
4. Storage Temperature: -40°C ~ +100°C

B. ELECTRICAL CHARACTERISTICS:

Characteristics	Min.	Typ.	Max.	Note
Center frequency Fc MHz	-	881.5	-	-
Insertion loss (869 ~ 894MHz) IL 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. ~ 779MHz dB	50	60.1	-	-
779 ~ 849MHz dB	45	49.8	-	-
914 ~ 970MHz dB	28	31.1	-	-
970 ~ 1049MHz dB	50	62.1	-	-
1049 ~ 2000MHz dB	40	47.2	-	-
Impedance at Fc; Input: $Z_{IN} = R_{IN} // C_{IN}$	50Ω // 0pF		1	
Output: $Z_{OUT} = R_{OUT} // C_{OUT}$	50Ω // 0pF		1	

Note 1:



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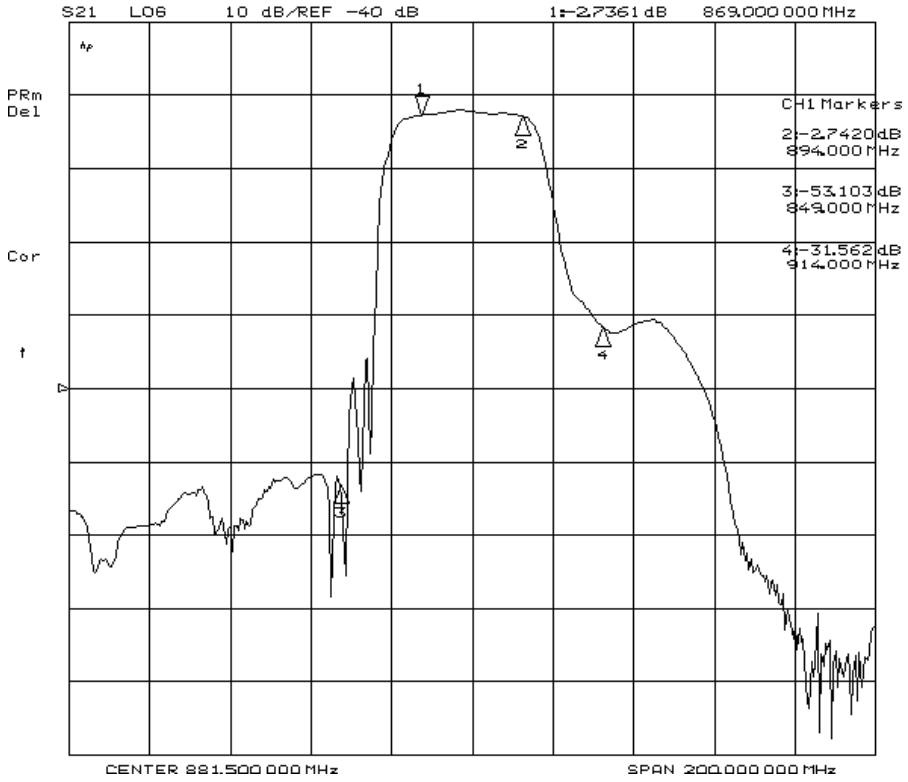
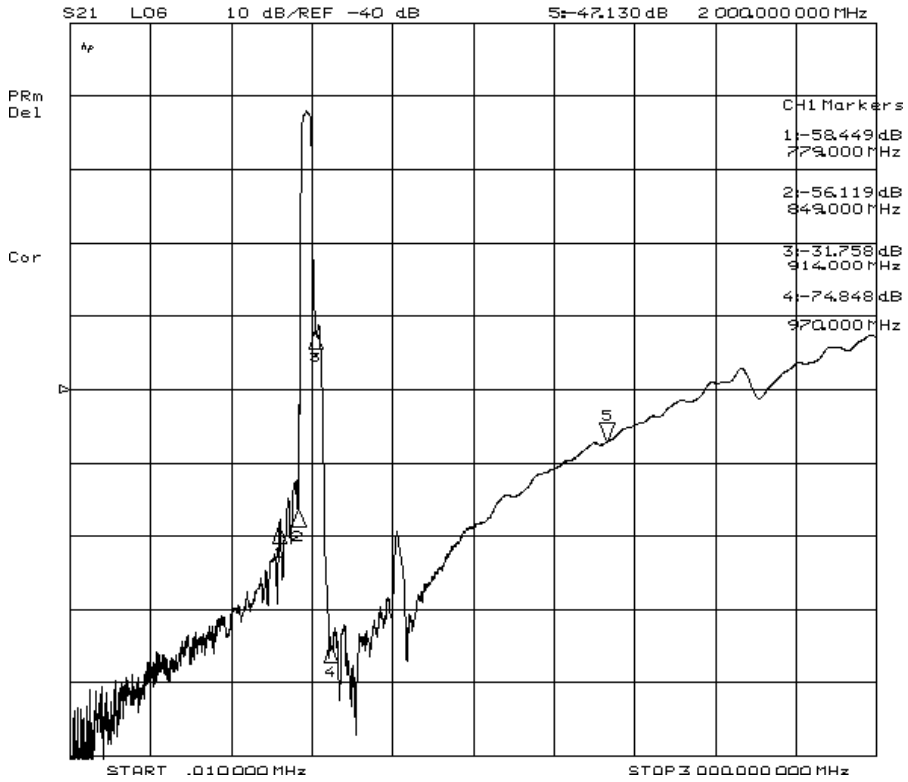
C. FREQUENCY CHRACTERISTICS:

1. Wideband response:





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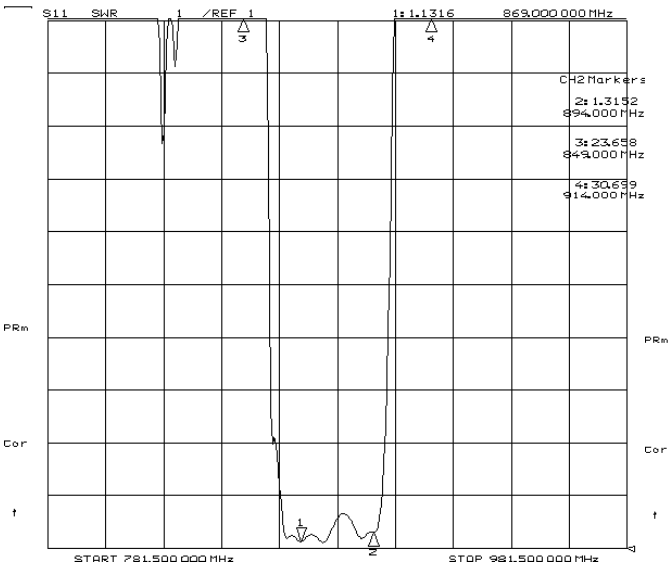
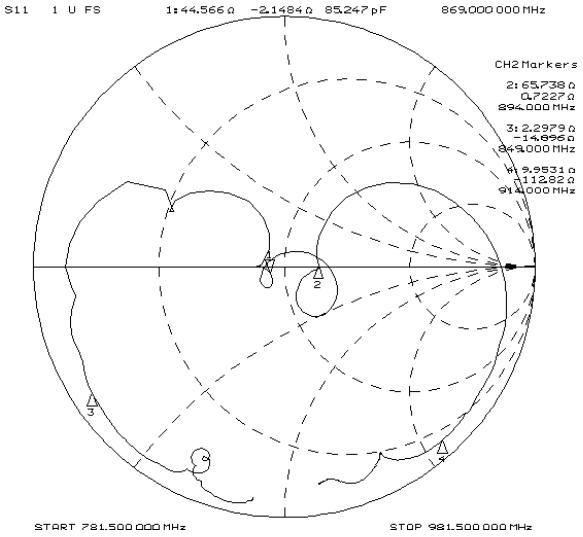
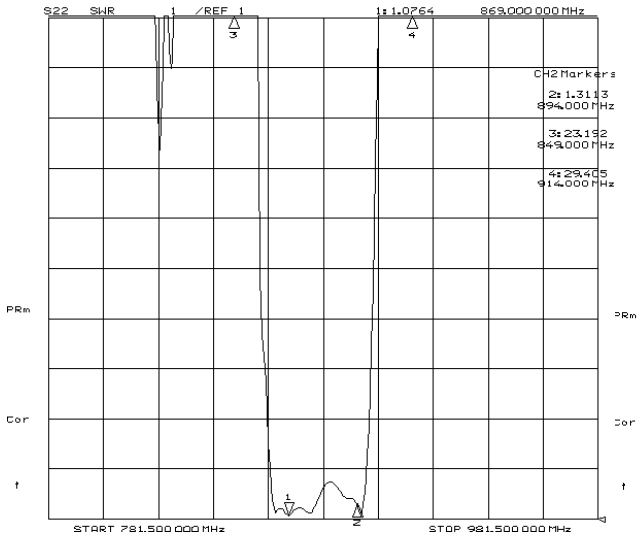
2. VSWR and smith chart:

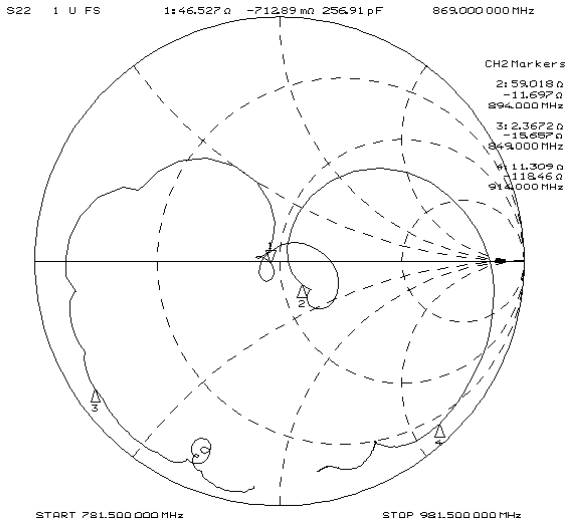
S11





S22





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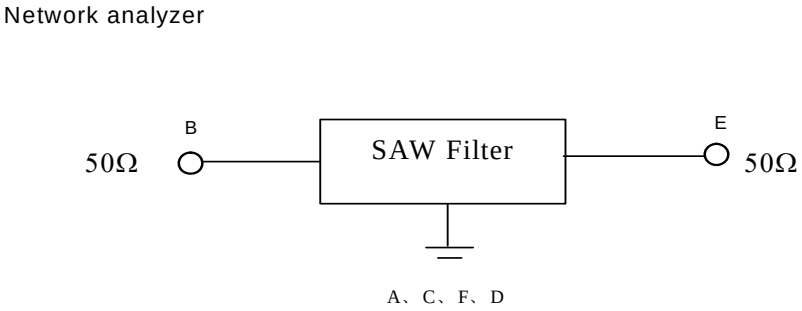
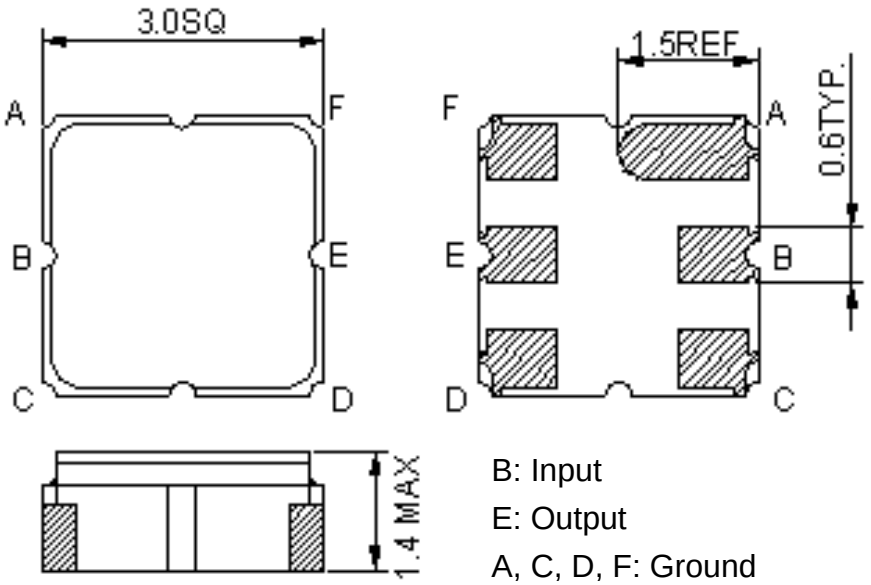
D. MEASUREMENT CIRCUIT:

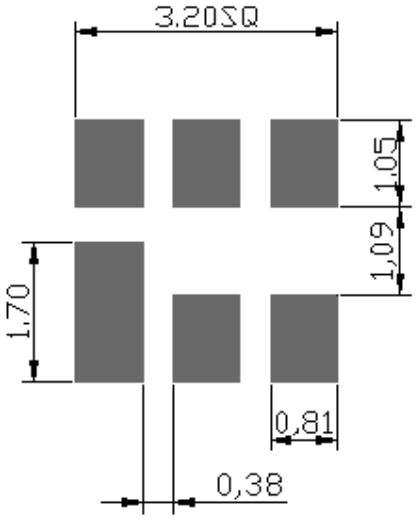


E. OUTLINE DRAWING:



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

F. PCB FOOTPRINT:



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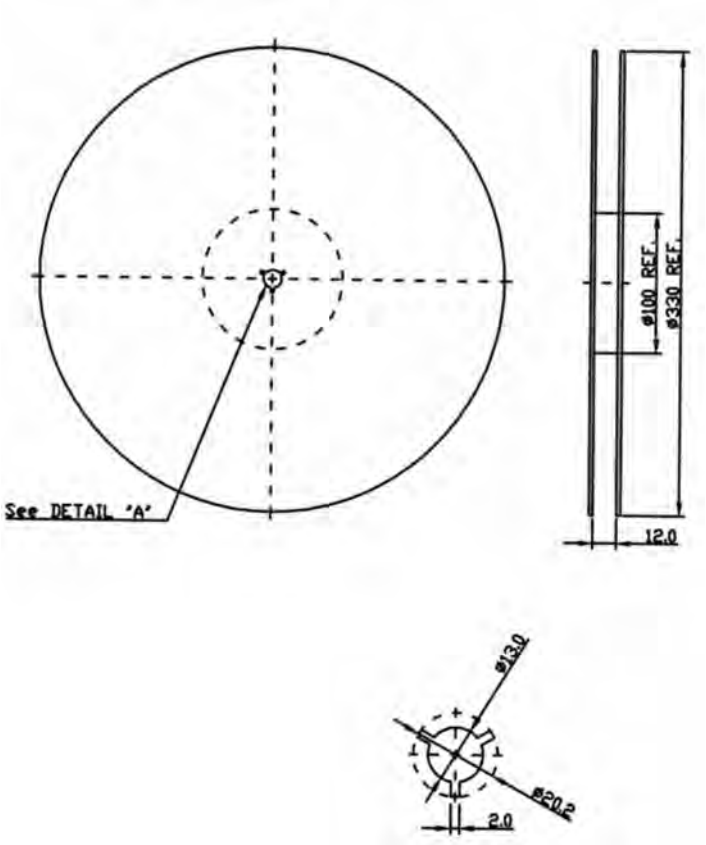
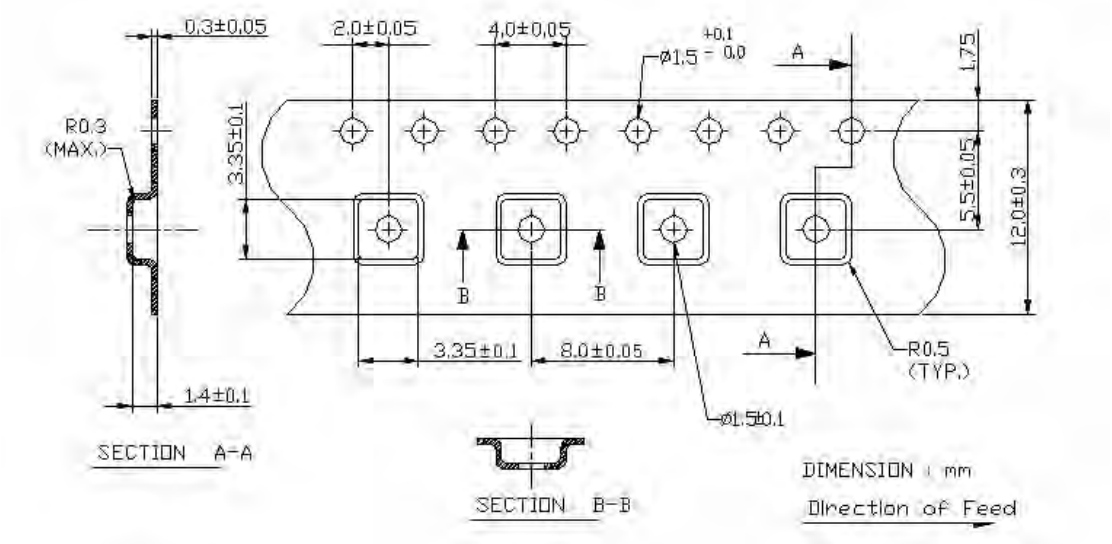
G. PACKING:

1. Reel Dimension



2. Tape Dimension



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H. RECOMMENDED REFLOW PROFILE: