

SAW Filter 881.50MHz
Part No: MA08478

Model: TA0571A
Rev No: 1

A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC voltage: 3V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

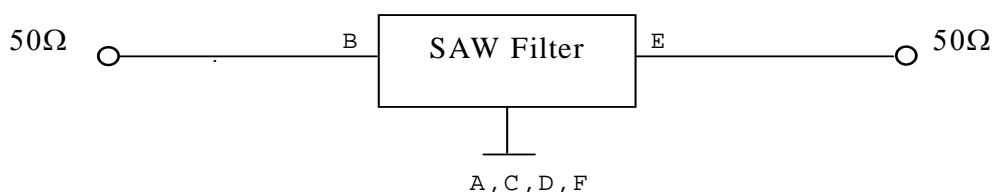
B. ELECTRICAL CHARACTERISTICS:

Item	Min.	Typ.	Max.
Center frequency Fc MHz	-	881.5	-
Insertion loss 869 ~ 894MHz IL (dB)	-	2.3	3.0
Amplitude ripple 869 ~ 894MHz (dB)	-	0.8	1.5
Attenuation (Reference level from 0dB)			
D.C. ~ 824MHz (dB)	40	54	-
824 ~ 849MHz (dB)	35	46	-
970 ~ 997MHz (dB)	35	66	-
997 ~ 1150MHz (dB)	40	70	-
1150 ~ 1500MHz (dB)	30	62	-
1500 ~ 2000MHz (dB)	25	48	-
2000 ~ 3000MHz (dB)	20	30	-
VSWR 869 ~ 894MHz	-	1.9	2.3
Source impedance Zs (Ω)	-	50	-
Load impedance Z _L (Ω)	-	50	-

Note: No matching network required for operation at 50Ω

C. MEASUREMENT CIRCUIT:

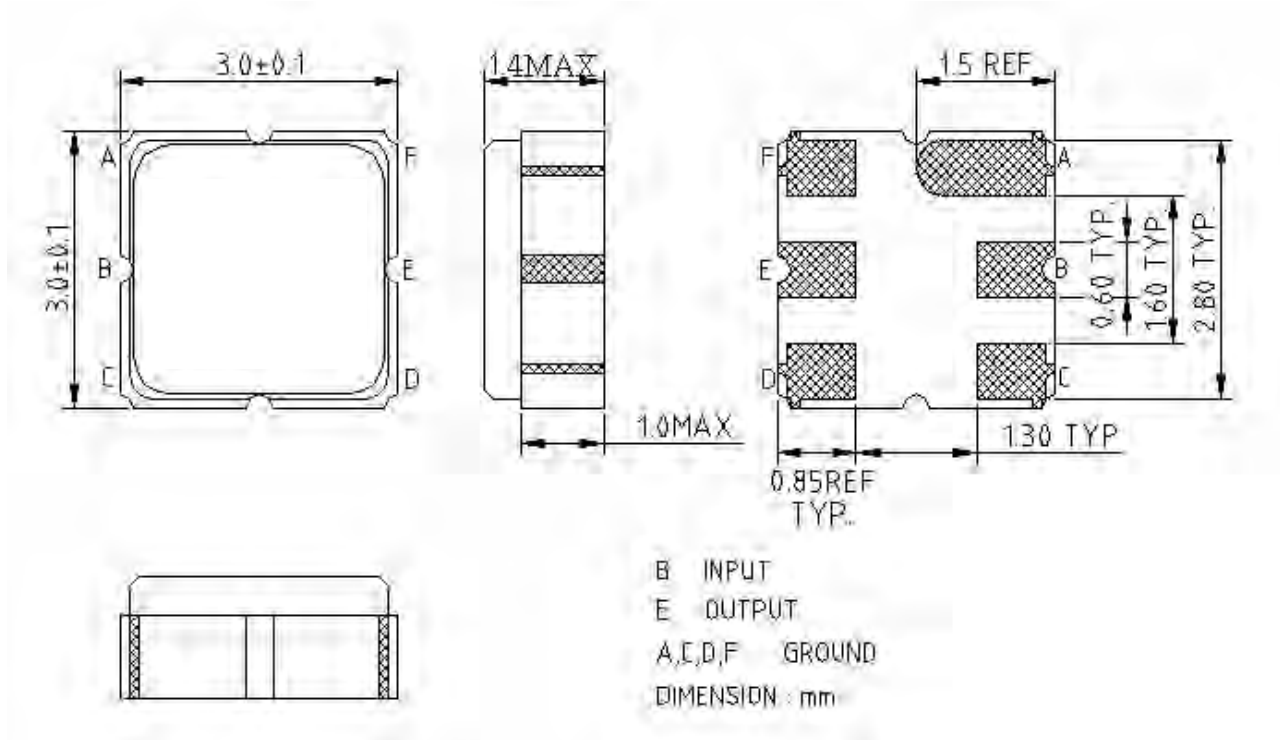
HP Network analyzer



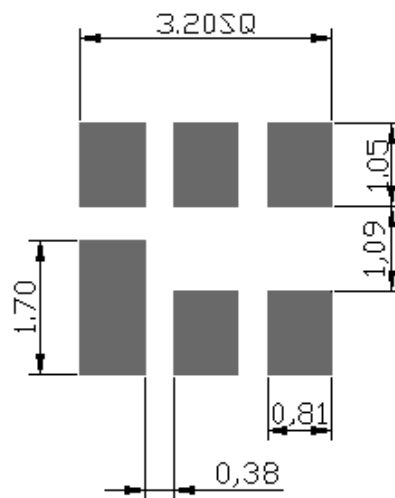
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D. OUTLINE DRAWING:



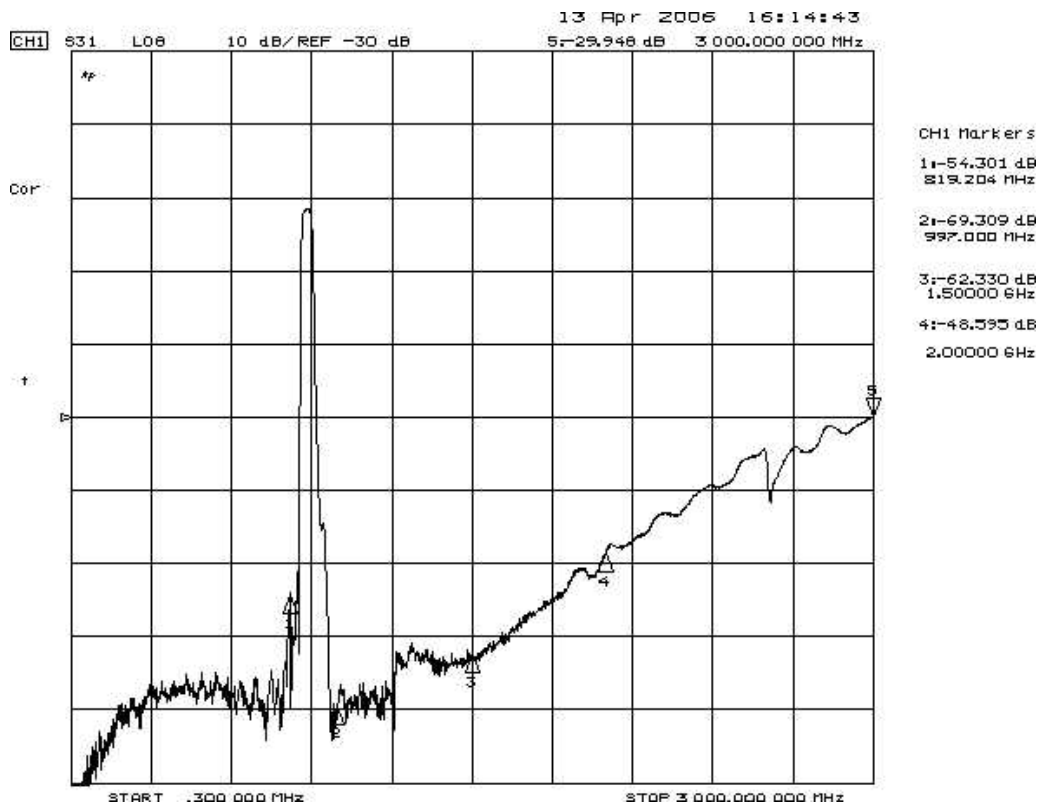
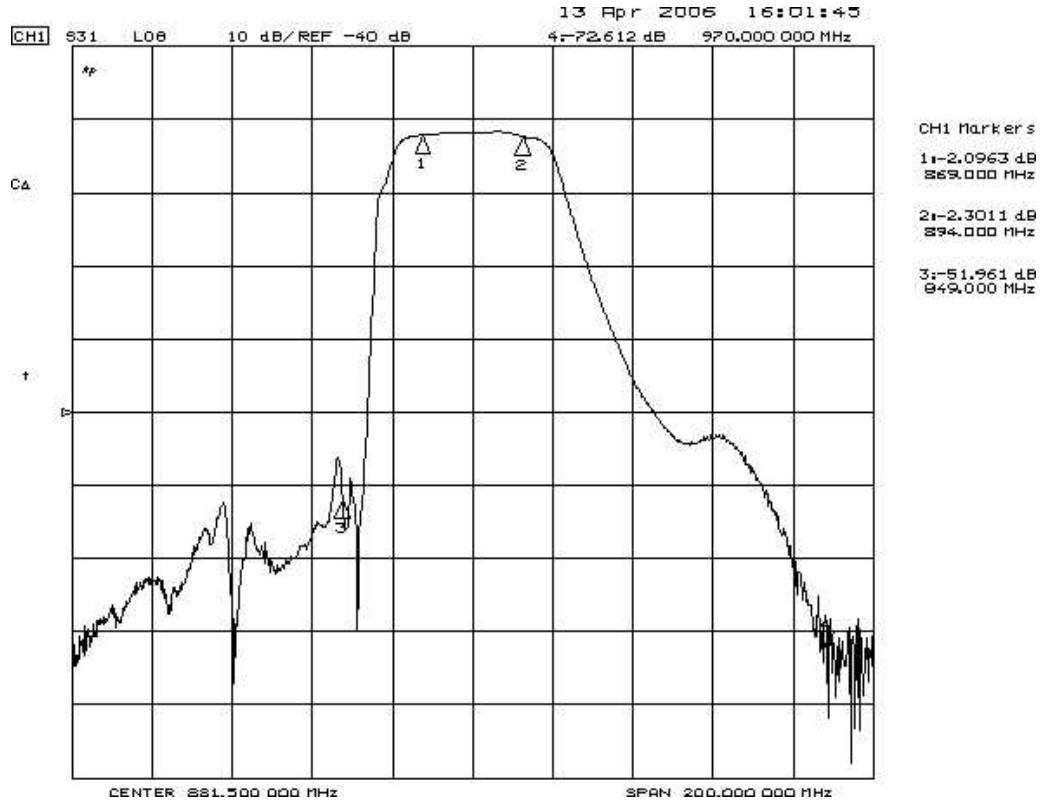
E. PCB FOOTPRINT:



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F. FREQUENCY CHARACTERISTICS:

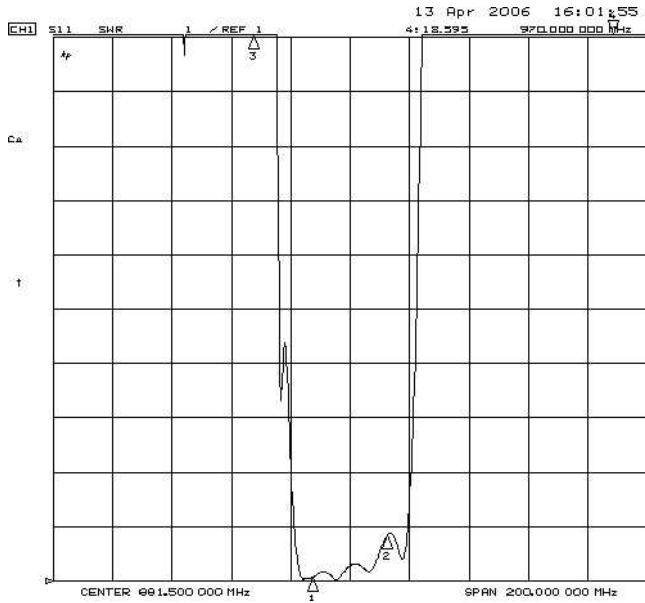


SAW Filter 881.50MHz
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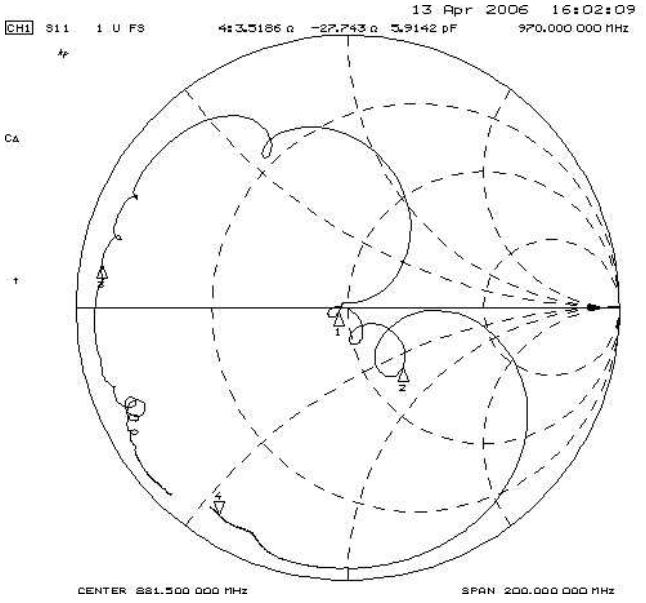
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Reflection Functions

S11

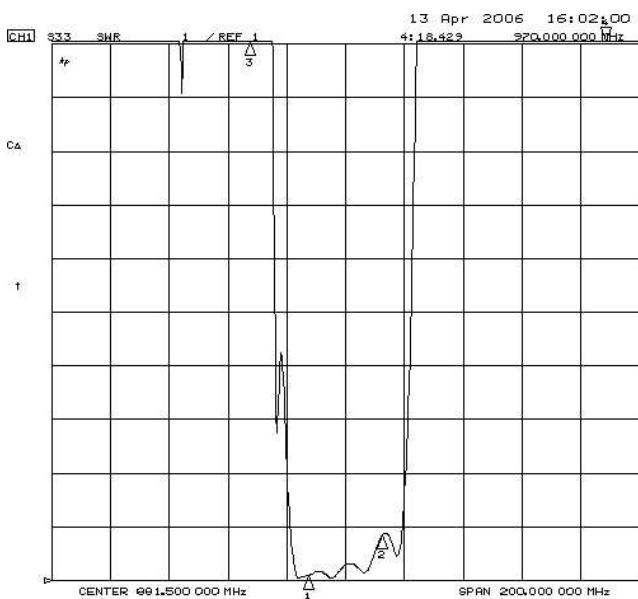


CHI Markers
 1: 1.0744
 869.000 MHz
 2: 1.8551
 894.000 MHz
 3: 23.808
 849.000 MHz

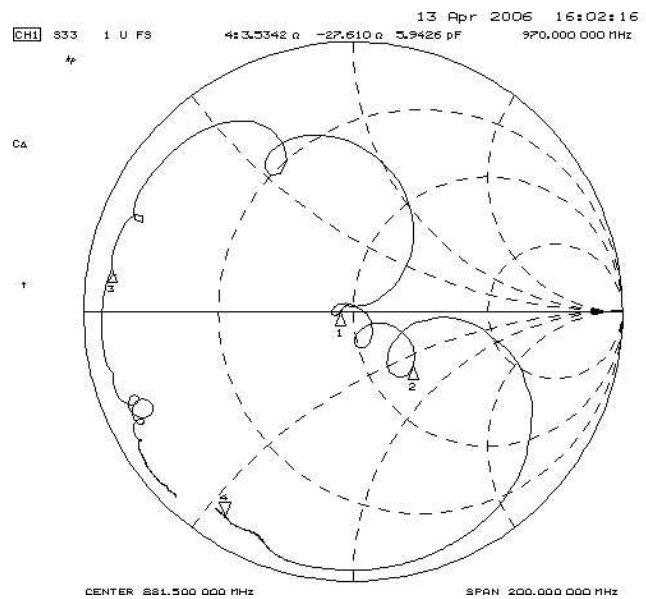


CHI Markers
 1: 46.005 a
 -1.3242 a
 869.000 MHz
 2: 66.777 a
 -32.191 a
 894.000 MHz
 3: 2.1201 a
 4.4114 a
 849.000 MHz

S22



CHI Markers
 1: 1.1002
 869.000 MHz
 2: 1.8619
 894.000 MHz
 3: 21.126
 849.000 MHz



CHI Markers
 1: 45.451 a
 -234.38 m0
 869.000 MHz
 2: 70.684 a
 -31.301 a
 894.000 MHz
 3: 2.3904 a
 4.4150 a
 849.000 MHz

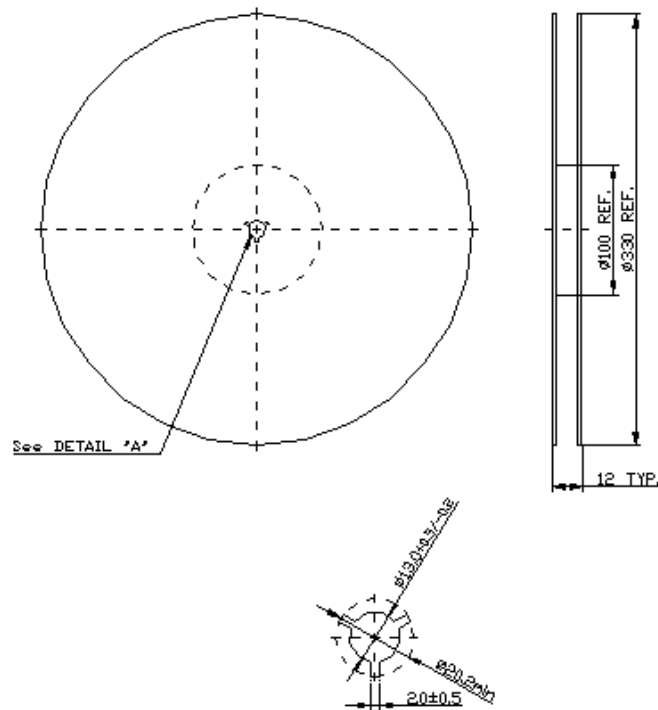
SAW Filter 881.50MHz
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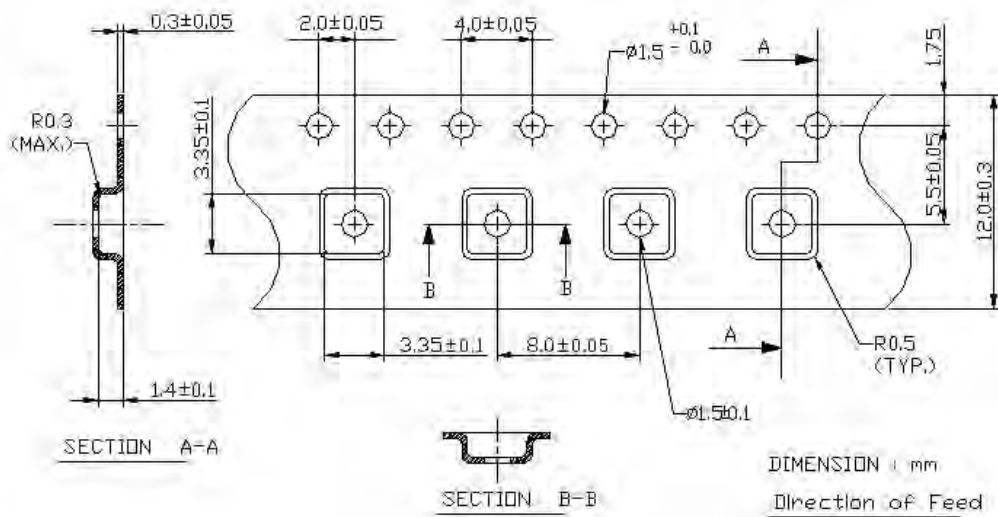
G. PACKING:

1. Reel Dimension

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



2. Tape Dimension



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H. RECOMMENDED REFLOW PROFILE:

