

SAW Filter 836.5MHz
Part No: MA05421

Model: TA0169A
Rev No: 3

A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC voltage: 0V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

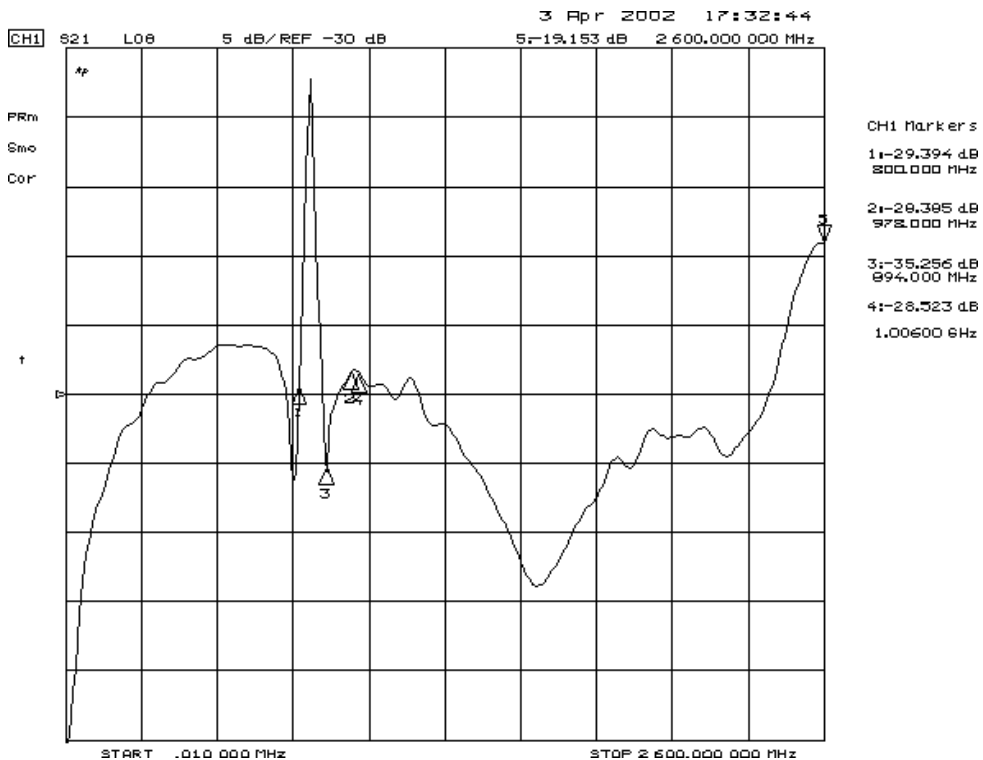
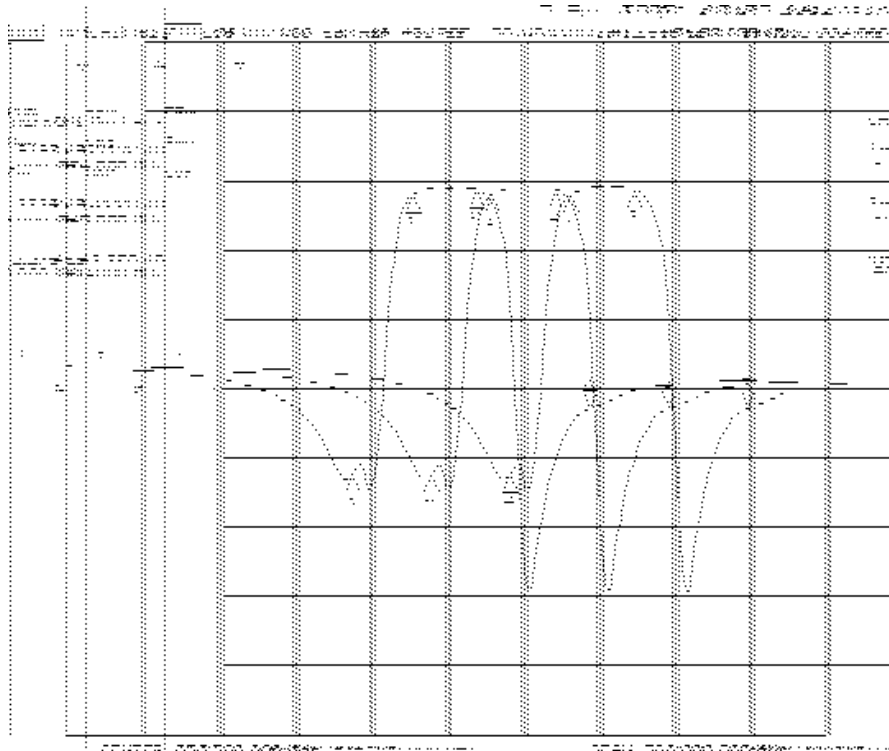
Item	Min.	Typ.	Max.
Center frequency Fc (dB)	-	836.5	-
Insertion loss within 824 ~ 849MHz IL (dB)	-	2.1	3.0
Amplitude ripple (p-p) within 824 ~ 849MHz (dB)	-	1.2	2.0
Attenuation (Reference level from 0dB)			
DC ~ 800MHz (dB)	23.0	26.0	-
869 ~ 894MHz (dB)	29.0	32.0	-
978 ~ 1006MHz (dB)	25.0	28.0	-
1050 ~ 2500MHz (dB)	15.0	18.0	-
VSWR within 824 ~ 849MHz	-	1.8	2.3
Source impedance Z _S (Ω)	-	50	-
Load impedance Z _L (Ω)	-	50	-

Note1. No matching network required for operation at 50Ω

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C. FREQUENCY CHARACTERISTICS:

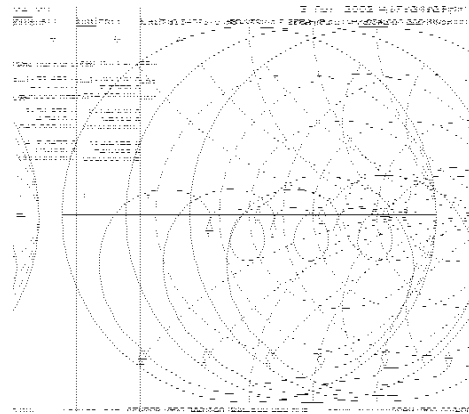
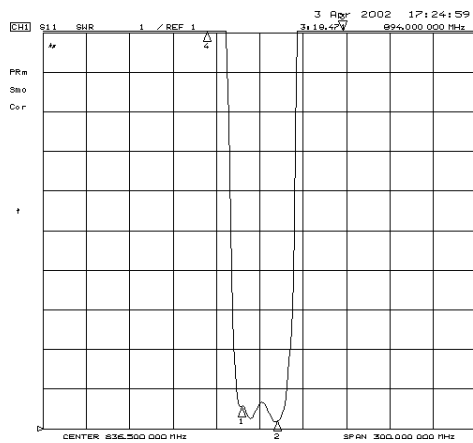


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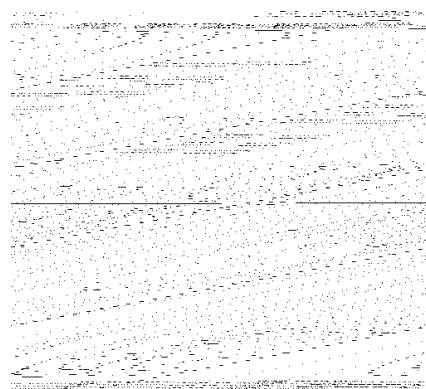
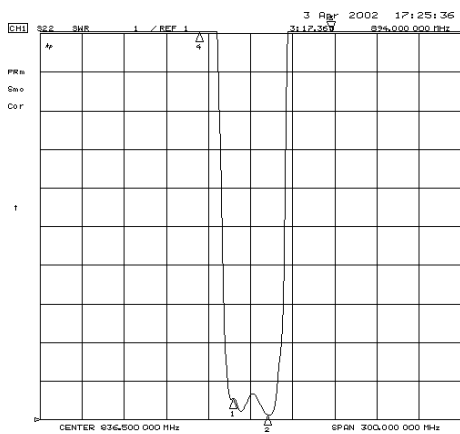
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Reflection functions

S11



S22

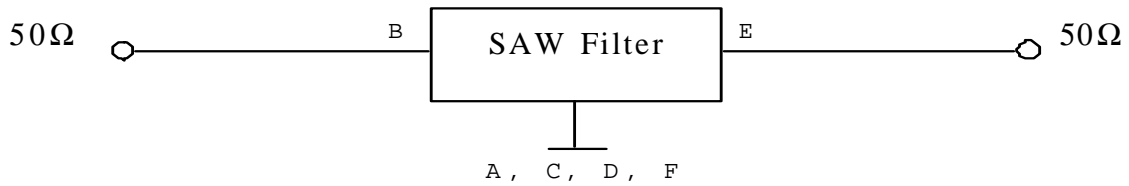


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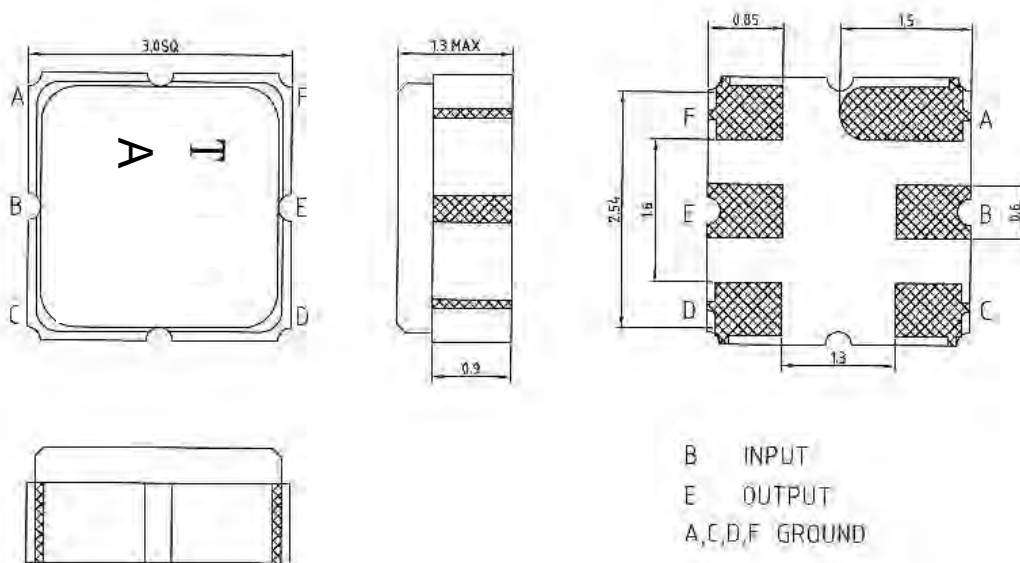
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E. MEASUREMENT CIRCUIT:

HP Network analyzer



F. OUTLINE DRAWING:

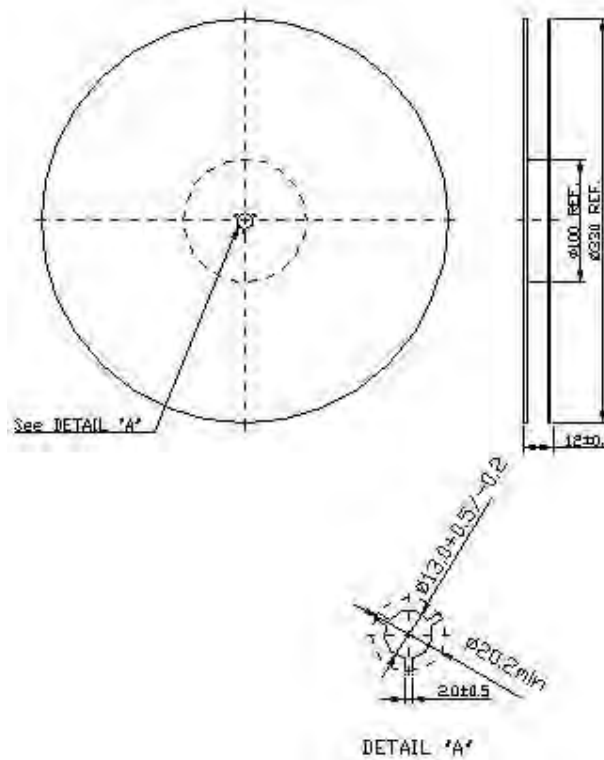


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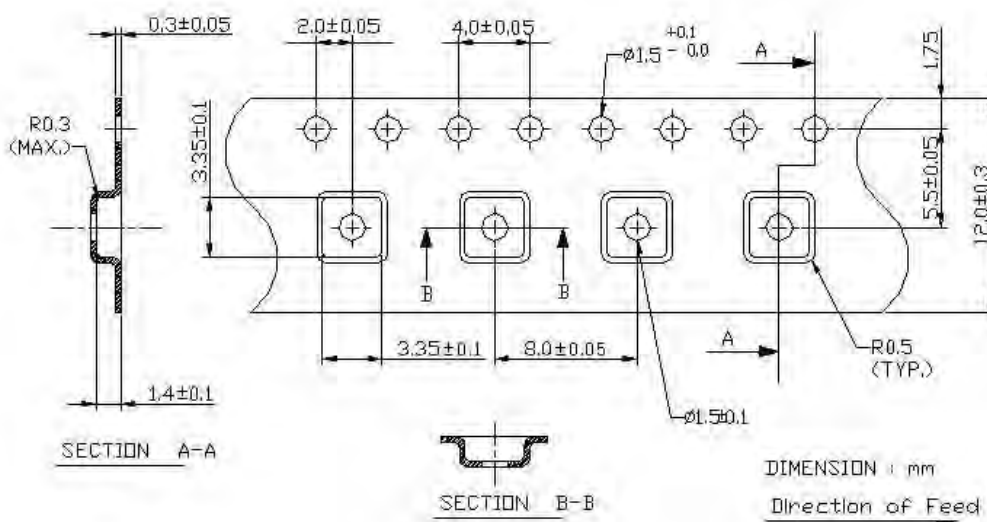
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G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



Note. Pocket position relative to sprocket hole measured as true position of pocket, not pocket hole.