

897.50MHz SAW Filter

Model: TA0494A

Part No: MA07813

REV NO.: 1

A. MAXIMUM RATING:

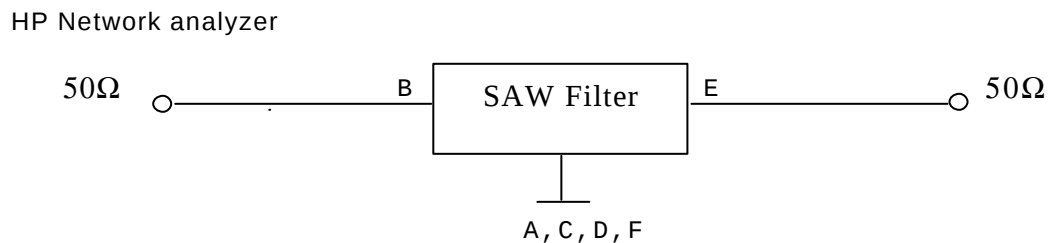
1. Input Power Level: 5 dBm
2. DC voltage: 3 V
3. Operating Temperature: -20°C to +75°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

Item	Min.	Typ.	Max.
Center frequency Fc (MHz)	-	897.5	-
Insertion loss (880 ~ 915 MHz) IL (dB)	-	2.1	3.0
Amplitude ripple (880 ~ 915 MHz) (dB)	-	1.0	2.0
Attenuation (Reference level from 0 dB)			
D.C. ~ 860 MHz (dB)	17	19	-
925 ~ 935 MHz (dB)	5	12.4	-
935 ~ 960 MHz (dB)	20	24	-
980 ~ 2000 MHz (dB)	20	22	-
VSWR (880 ~ 915 MHz)	-	2	2.6
Source impedance Zs (Ω)	-	50	-
Load impedance ZL (Ω)	-	50	-

Note1. The standard definitions is in JIS C 6703

C. MEASUREMENT CIRCUIT:



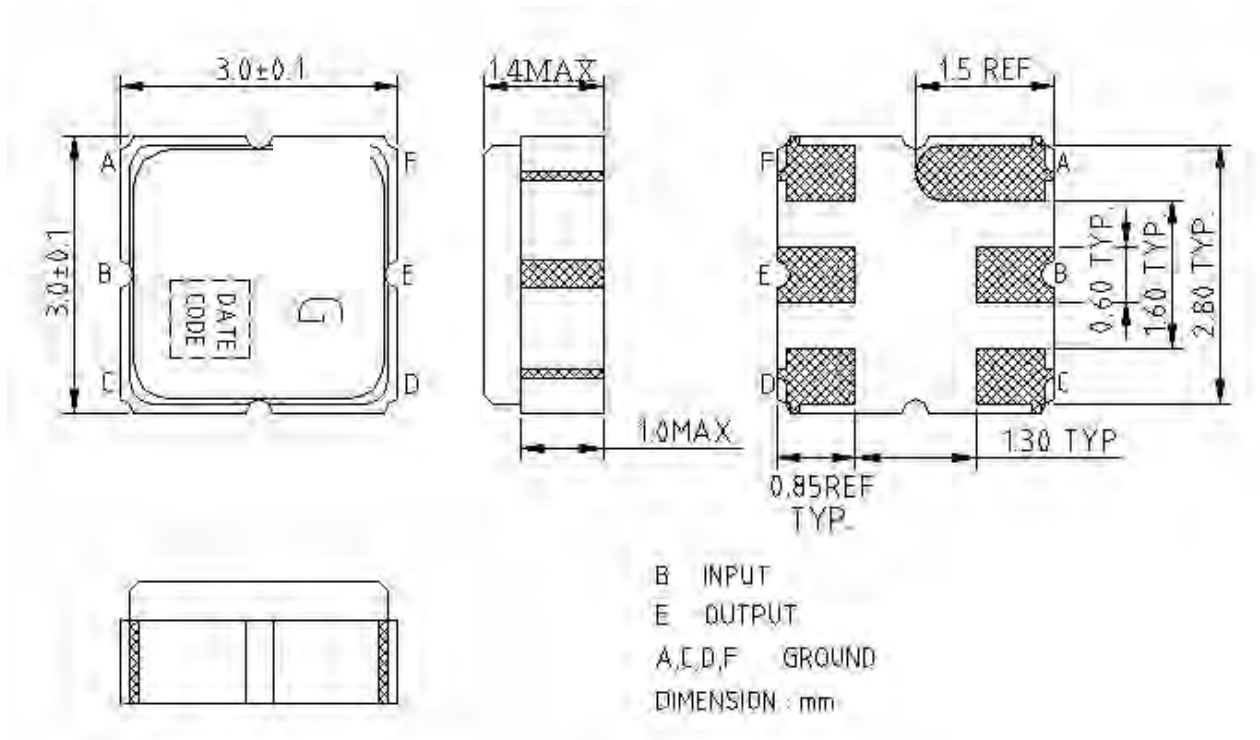
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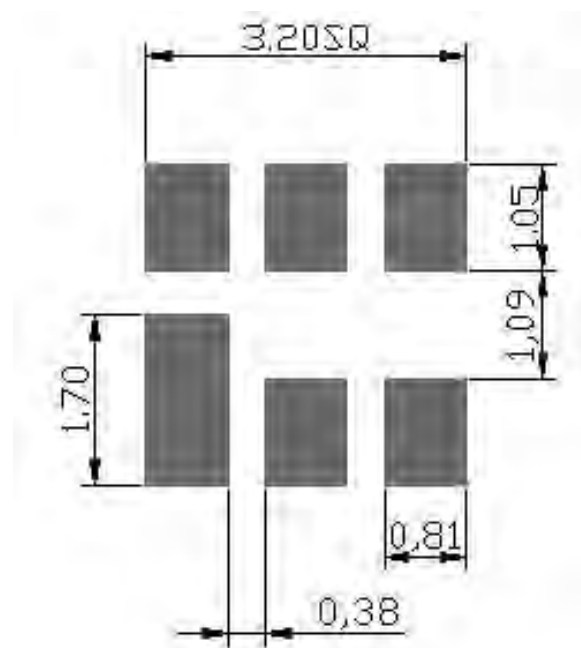
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D. OUTLINE DRAWING:



E. PCB Footprint:



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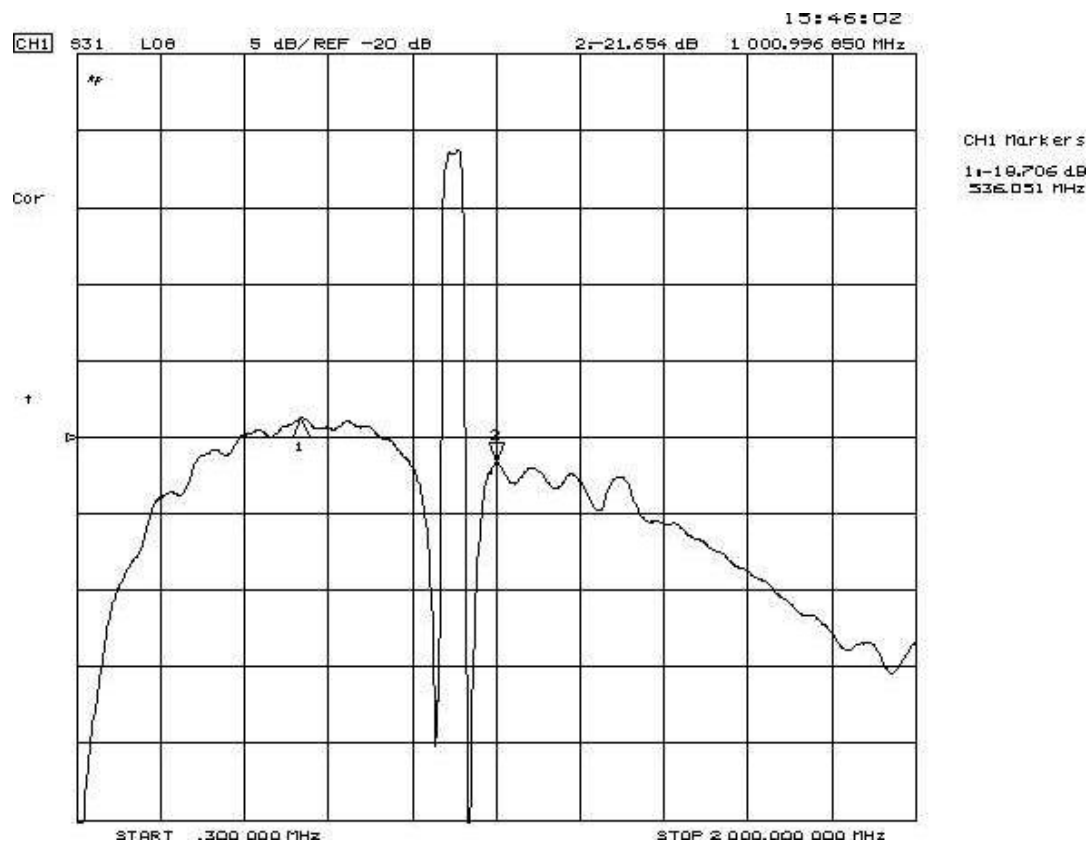
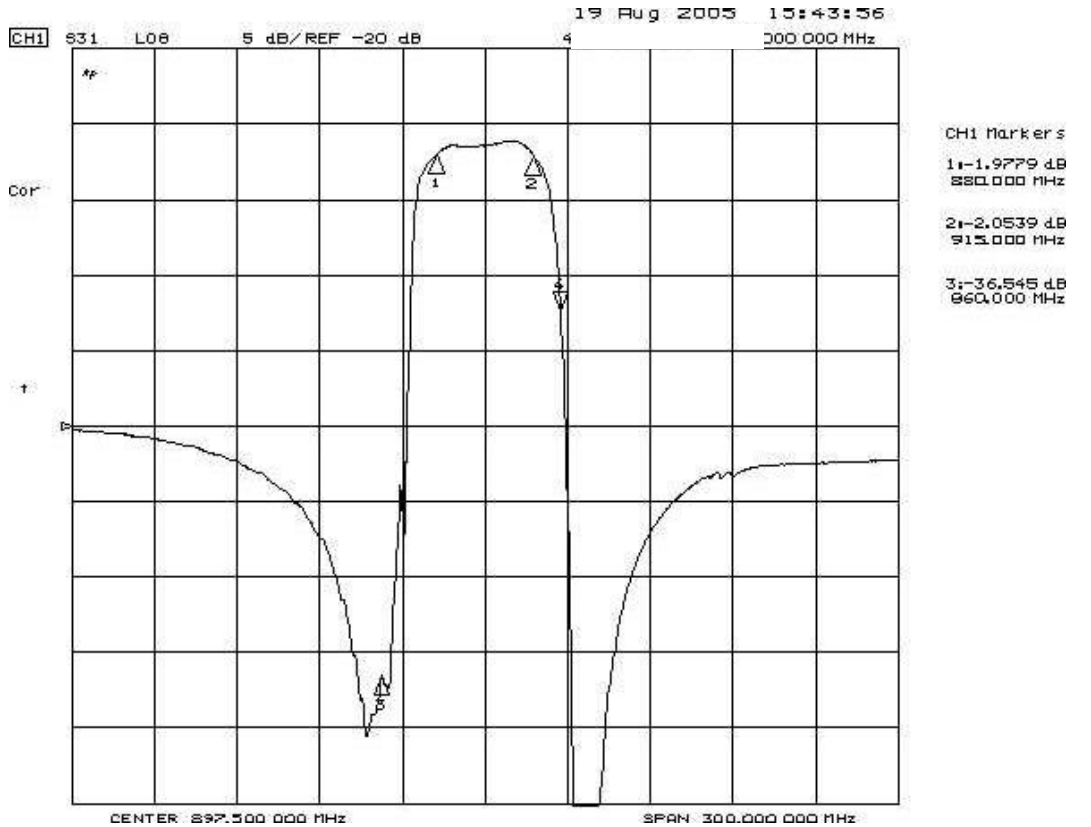
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F. FREQUENCY CHARACTERISTICS:

Transfer function



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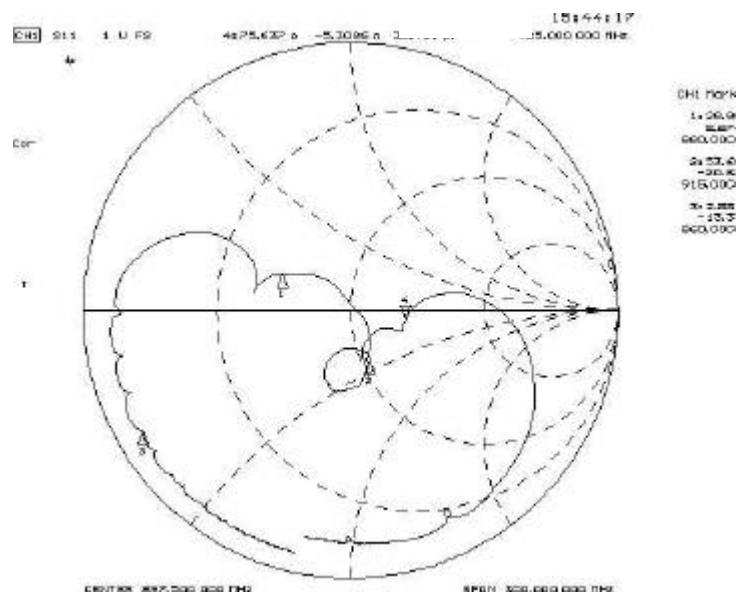
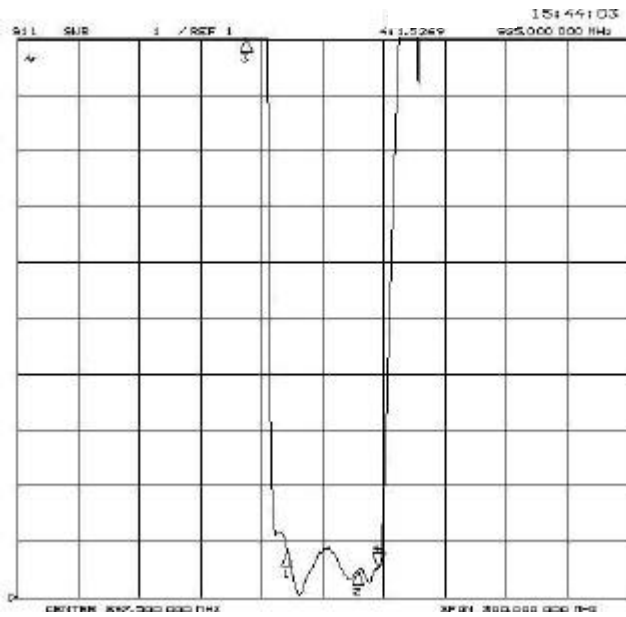
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Reflection Functions:

S11



S22

