

SAW Filter 897.50MHz
Part No: MP03352

Model: TA1003A
Rev No: 1

A. MAXIMUM RATING:

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

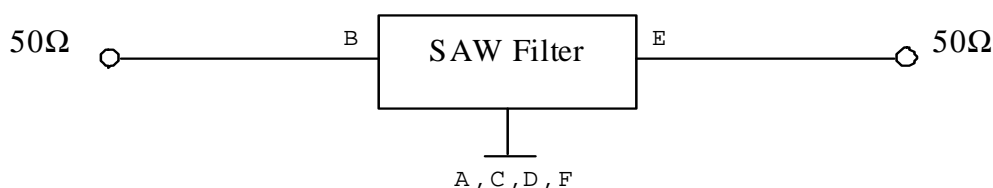
B. ELECTRICAL CHARACTERISTICS:

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

Note: The standard definitions is in JIS C 6703

C. MEASUREMENT CIRCUIT:

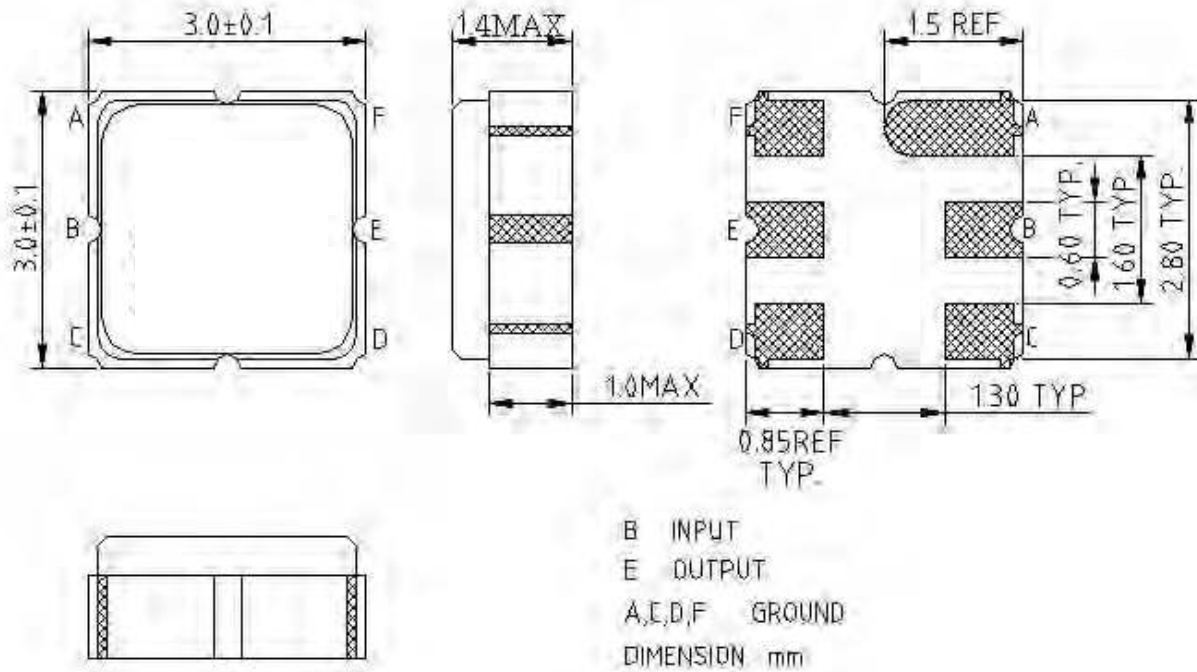
HP Network analyzer



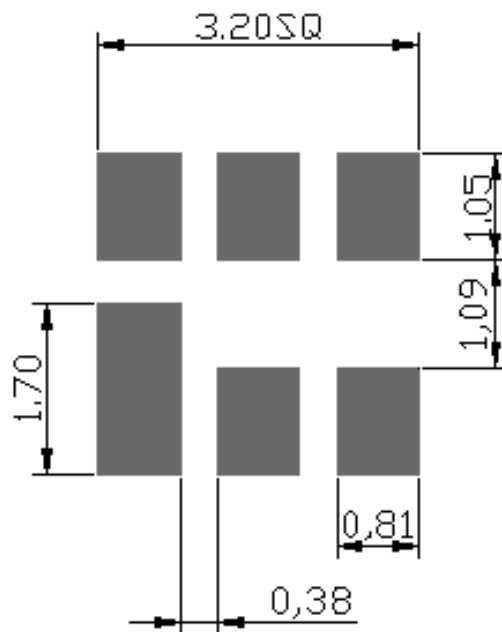
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D. OUTLINE DRAWING:



E. PCB FOOTPRINT:

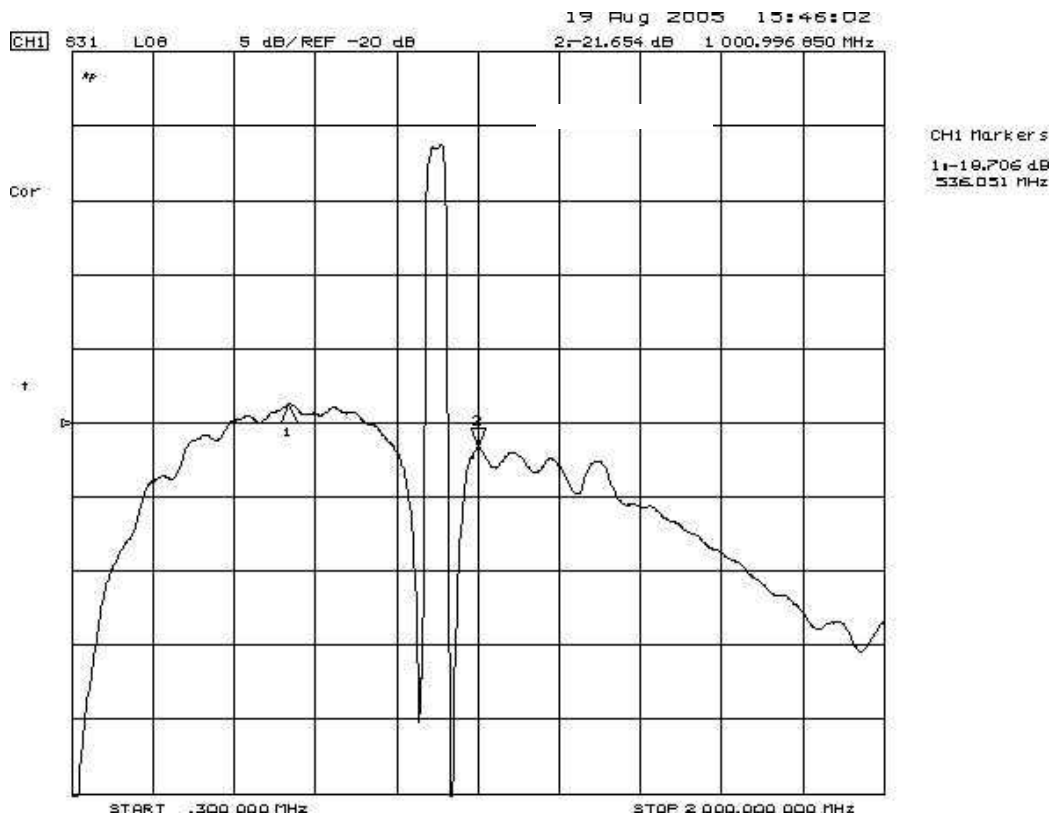
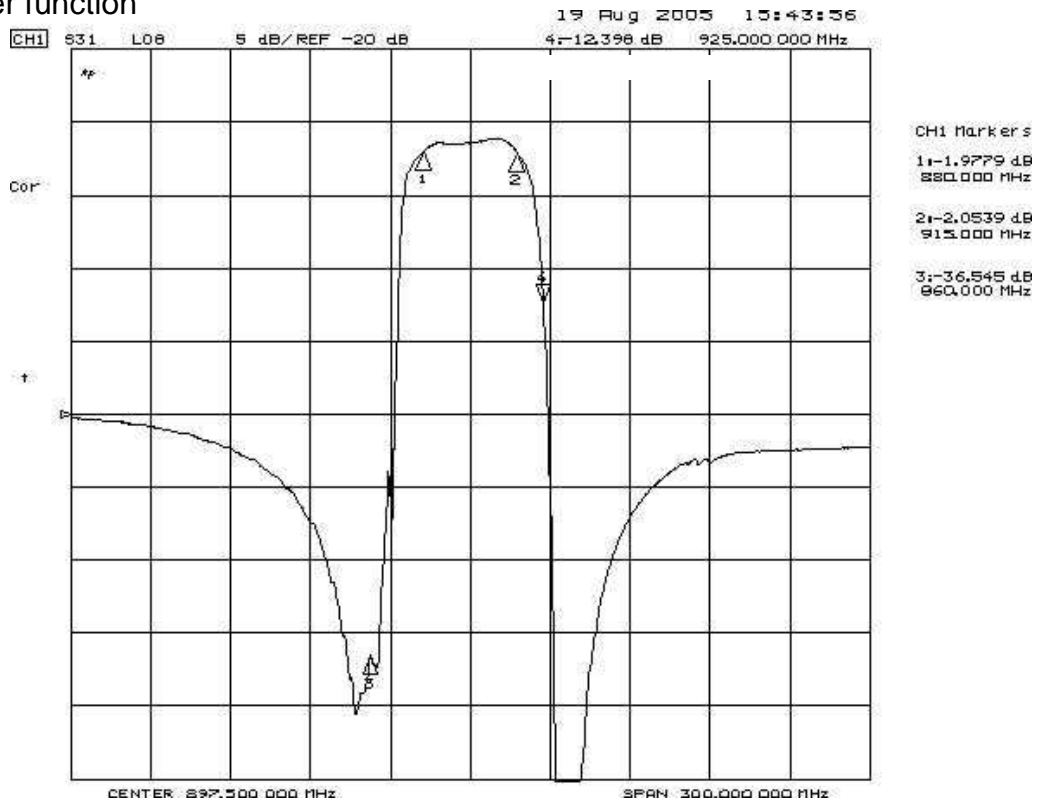


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F. FREQUENCY CHARACTERISTICS:

Transfer function

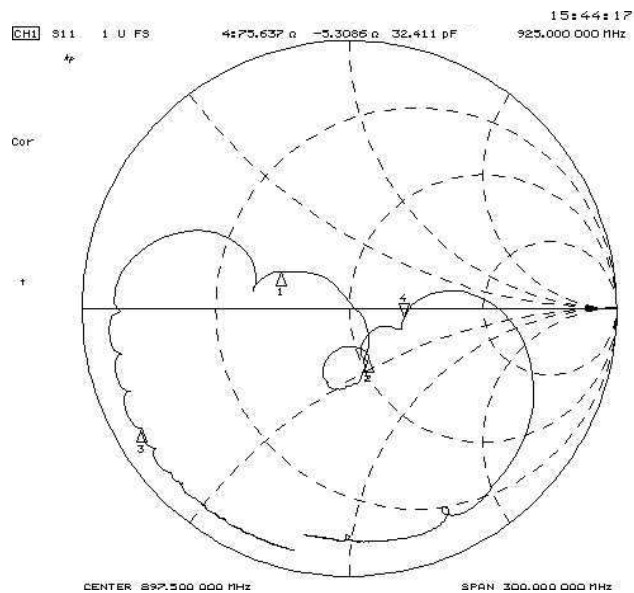
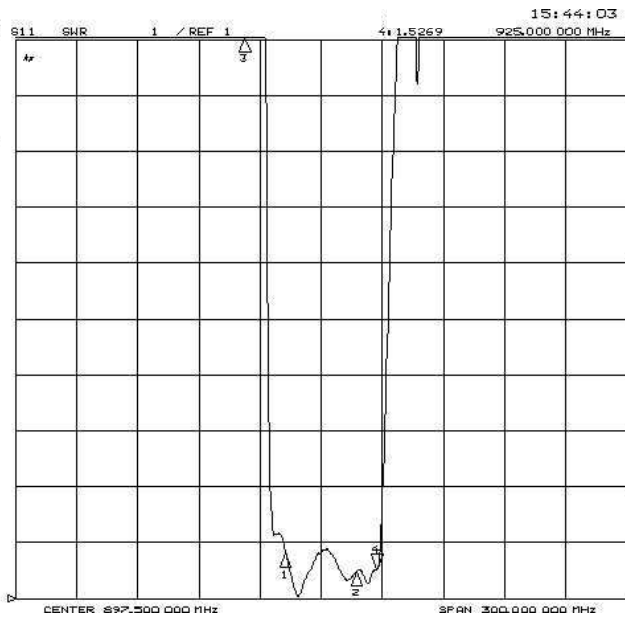


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Reflections Functions

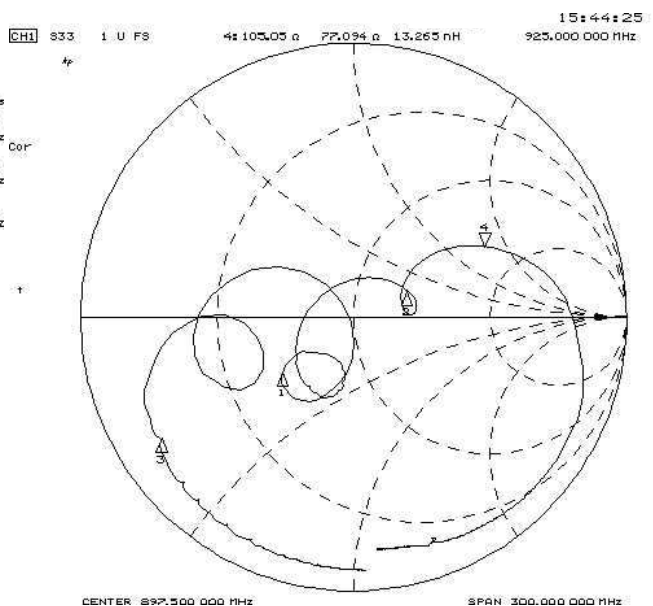
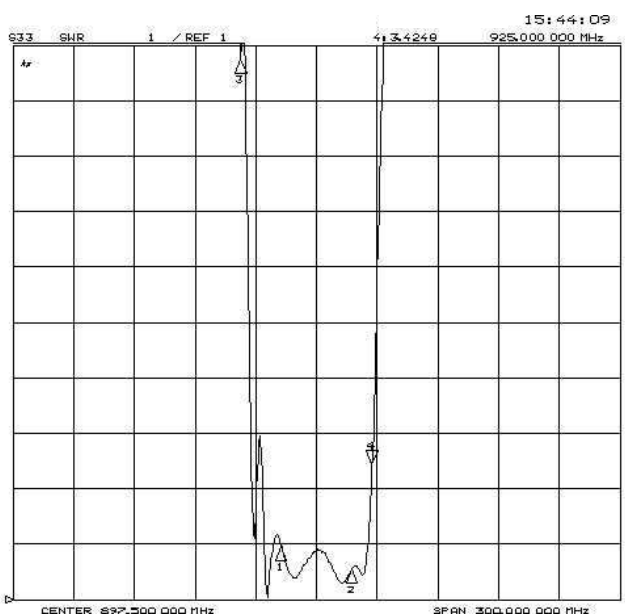
S11



CHI Markers
 1: 1.8122
 860,000 MHz
 2: 1.4854
 915,000 MHz
 3: 18.521
 860,000 MHz

CHI Markers
 1: 26.904 ohms
 2: 27.48 ohms
 860,000 MHz
 2: 53.609 ohms
 -20.672 ohms
 915,000 MHz
 3: 2.8818 ohms
 -13.334 ohms
 860,000 MHz

S22



CHI Markers
 1: 1.9717
 860,000 MHz
 2: 1.5632
 915,000 MHz
 3: 10.762
 860,000 MHz

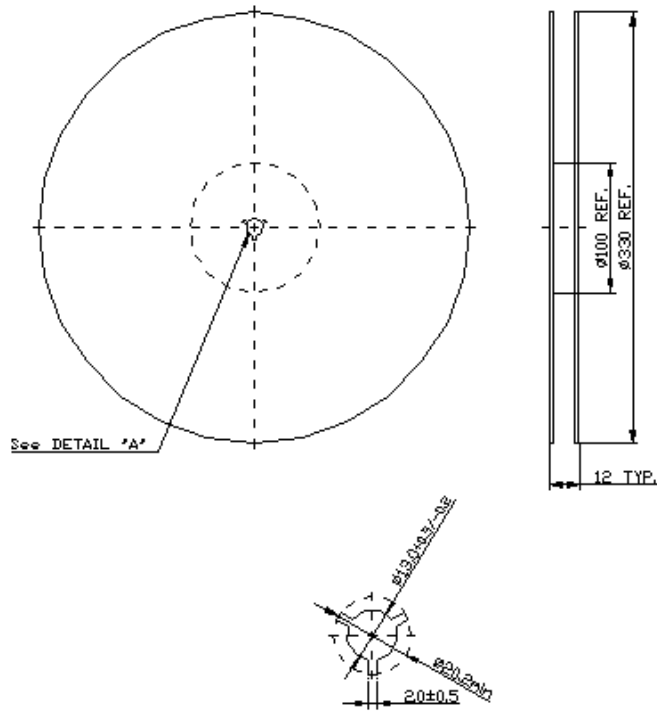
CHI Markers
 1: 27.482 ohms
 -12.297 ohms
 860,000 MHz
 2: 72.844 ohms
 14.711 ohms
 915,000 MHz
 3: 5.0269 ohms
 -14.316 ohms
 860,000 MHz

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G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

