

SAW Filter 947.50MHz
Part No: MA08276

Model: TA0361A
Rev No: 1

A1. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC voltage: 0V
3. Operating Temperature: 25°C
4. Storage Temperature: -40°C to +85°C

B1. ELECTRICAL CHARACTERISTICS:

Item	Min.	Typ.	Max.
Center frequency Fc (dB)	-	947.5	-
Insertion loss (935 ~ 960MHz) IL (dB)	-	2.4	3.0
Amplitude ripple (935 ~ 960MHz) (dB)	-	1.0	2.0
Attenuation (Reference level from 0dB)			
DC ~ 890MHz (dB)	28.0	32.0	-
890 ~ 915MHz (dB)	20.0	35.0	-
980 ~ 1025MHz (dB)	15.0	30.0	-
1025 ~ 2000MHz (dB)	30.0	34.5	-
Input / Output VSWR (935 ~ 960MHz)	-	1.9	2.1
Source impedance Z _S (Ω)	-	50	-
Load impedance Z _L (Ω)	-	50	-

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A2. 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

B2. ELECTRICAL CHARACTERISTICS:

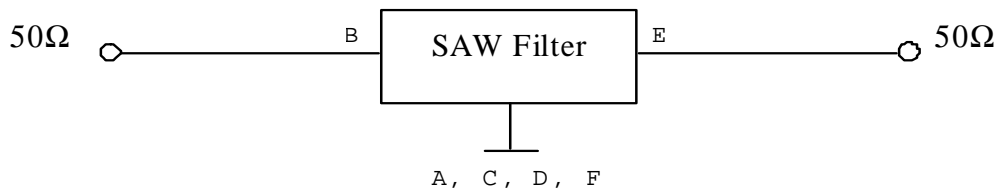
Item	Min.	Typ.	Max.
Center frequency Fc (dB)	-	947.5	-
Insertion loss (935 ~ 960MHz) IL (dB)	-	2.4	3.0
Amplitude ripple (935 ~ 960 MHz) (dB)	-	1.0	2.0
Attenuation (Reference level from 0dB)			
DC ~ 890MHz (dB)	28.0	32.0	-
890 ~ 915MHz (dB)	20.0	35.0	-
980 ~ 1025MHz (dB)	15.0	30.0	-
1025 ~ 2000MHz (dB)	30.0	34.5	-
Input/Output VSWR (935 ~ 960MHz)	-	2.0	2.2
Source impedance Z _S (Ω)	-	50	-
Load impedance Z _L (Ω)	-	50	-

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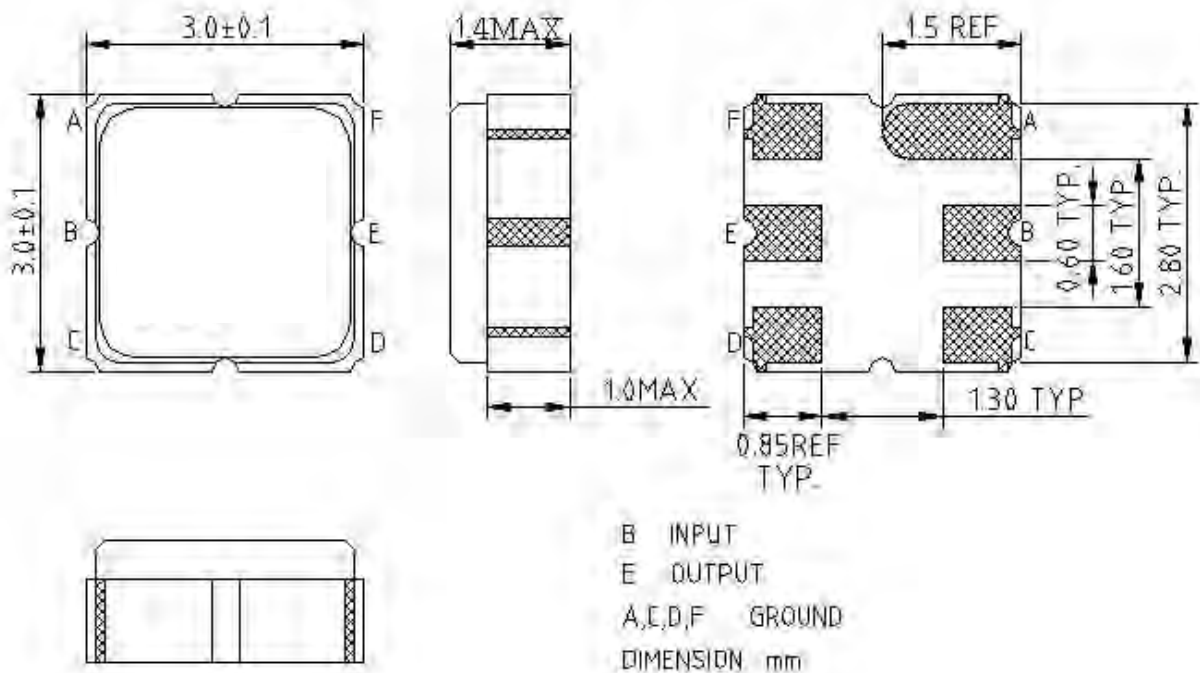
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C. MEASUREMENT CIRCUIT:

HP Network analyzer



D. OUTLINE DRAWING:

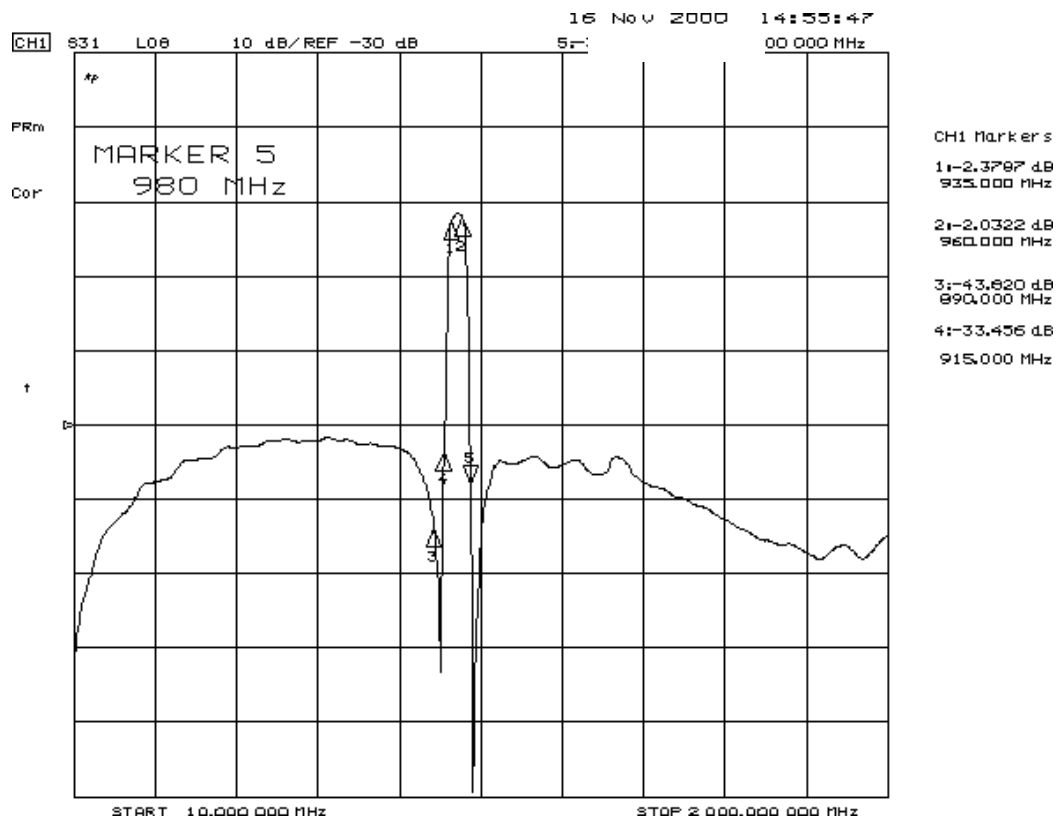
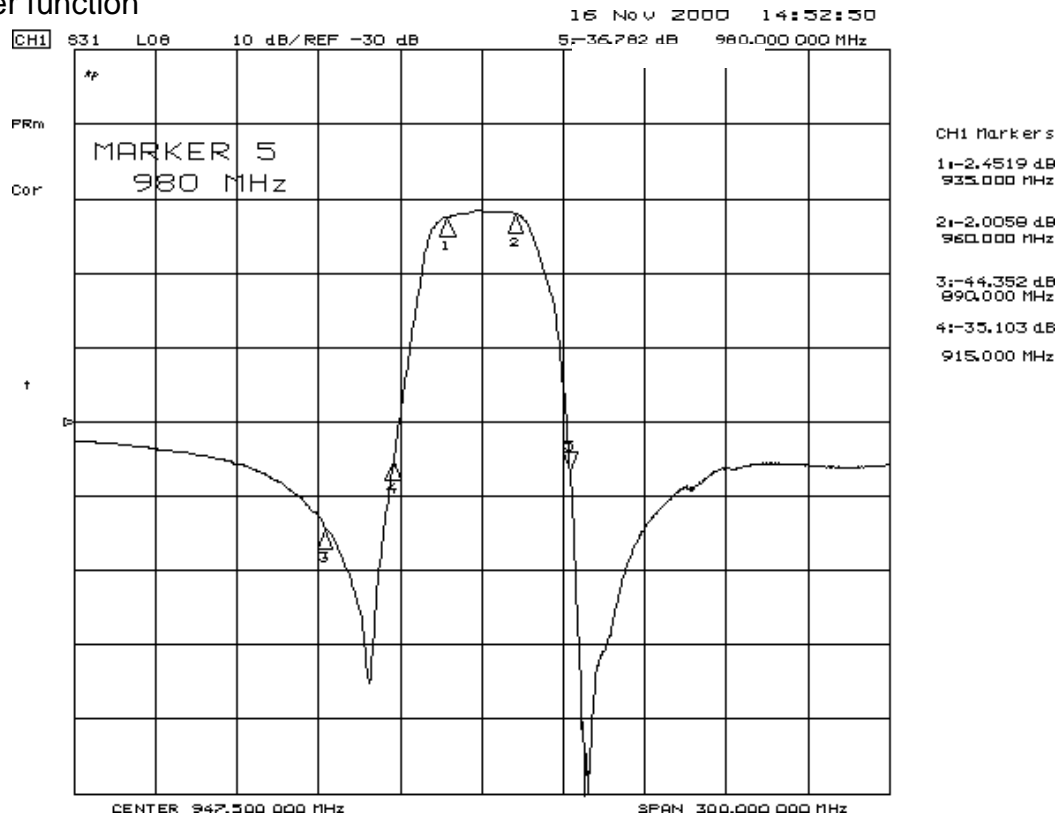


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E. FREQUENCY CHARACTERISTICS:

Transfer function

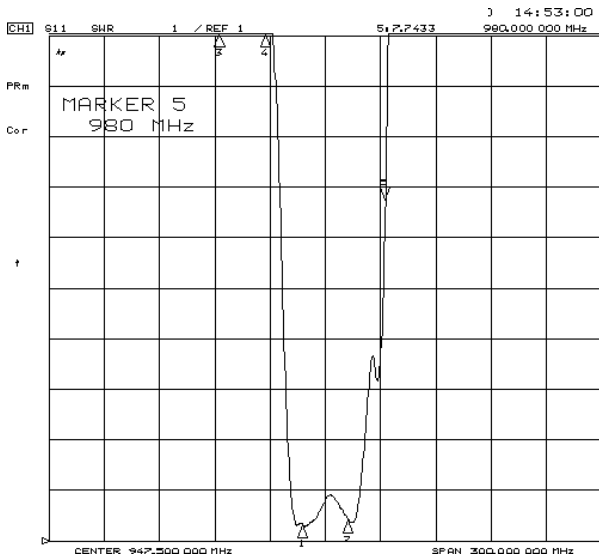


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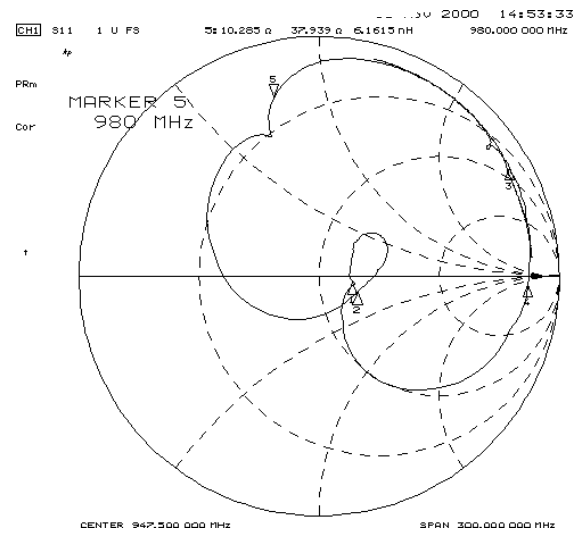
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Reflections Functions

S11

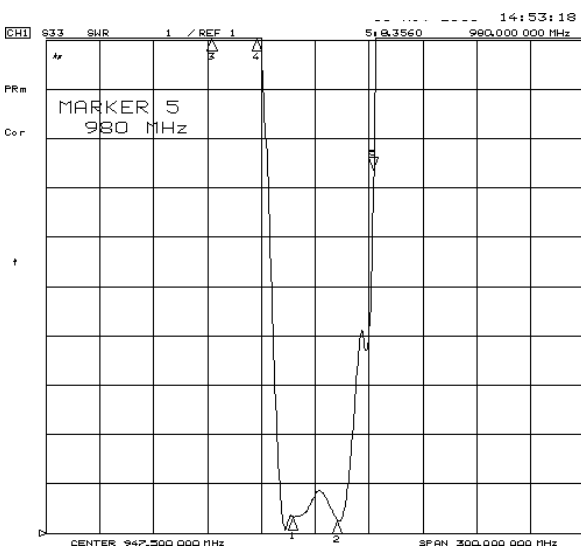


CH1 Markers
 1: 1.3296
 935.000 MHz
 2: 1.4202
 960.000 MHz
 3: 22.140
 890.000 MHz
 4: 14.493
 915.000 MHz

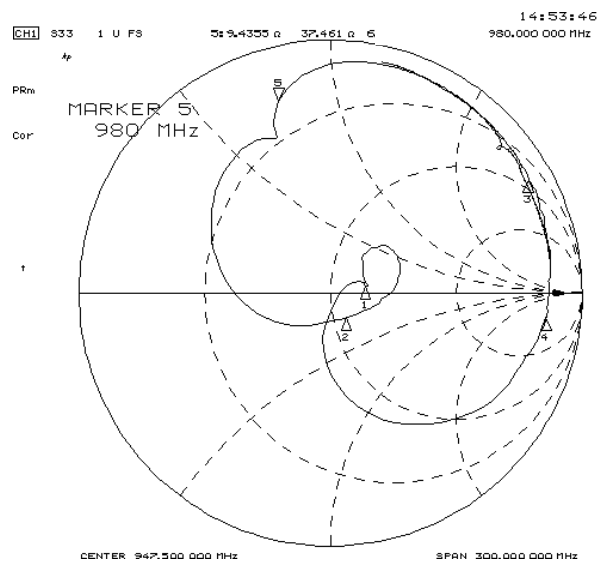


CH1 Markers
 1: 66.121 0
 -31.836 0
 935.000 MHz
 2: 69.473 0
 -9.1367 0
 960.000 MHz
 3: 33.203 0
 182.27 0
 890.000 MHz
 4: 67.923 0
 -179.94
 915.000 MHz

S22



CH1 Markers
 1: 1.3329
 935.000 MHz
 2: 1.2607
 960.000 MHz
 3: 20.304
 890.000 MHz
 4: 13.595
 915.000 MHz



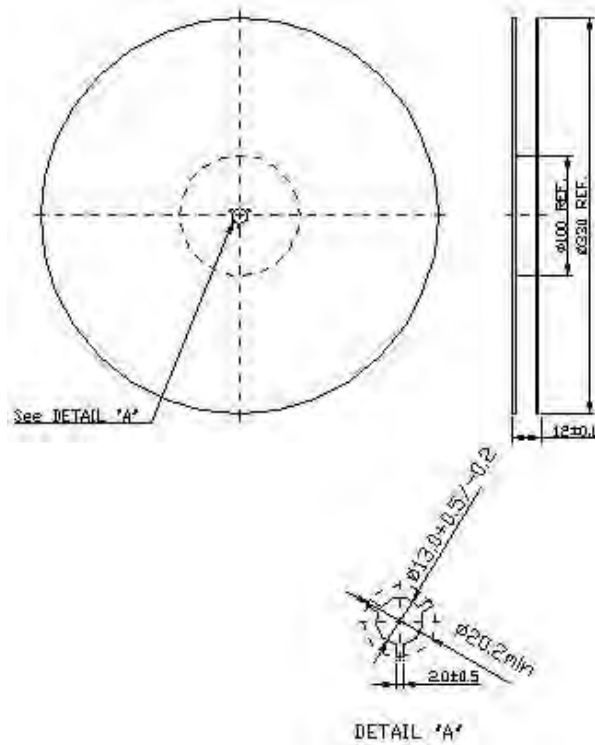
CH1 Markers
 1: 66.121 0
 3.9102 0
 935.000 MHz
 2: 65.615 0
 -10.852 0
 960.000 MHz
 3: 36.123 0
 181.27 0
 890.000 MHz
 4: 430.22 0
 -326.31 0
 915.000 MHz

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F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

