

1030MHz SAW Filter
Part No: MA04281

Model: TA0177A
Rev No: 5

A. MAXIMUM RATING:

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

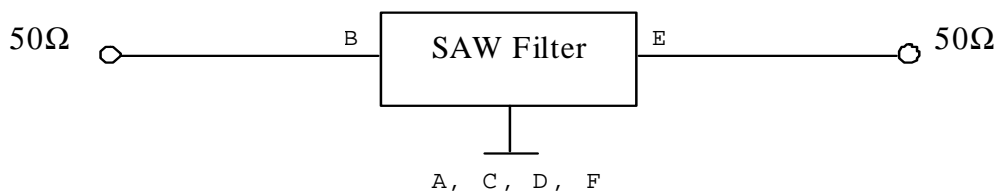
B. ELECTRICAL CHARACTERISTICS:

Characteristics (at 25°C)	Min.	Typ.	Max.
Center frequency Fc (dB)	-	1030	-
Insertion loss within 1015 ~ 1045MHz IL (dB)	-	2.3	3.0
Amplitude ripple (p-p) within 1025 ~ 1035MHz (dB)	-	0.25	1.0
Attenuation (Reference level from 0dB)			
DC ~ 910MHz (dB)	25.0	29.5	-
1090 ~ 1300MHz (dB)	25.0	32.5	-
VSWR within 1015 ~ 1045MHz	-	1.8	2.1
Source impedance Z _S (Ω)	-	50	-
Load impedance Z _L (Ω)	-	50	-

Note1. No matching network required for operation at 50Ω

C. MEASUREMENT CIRCUIT:

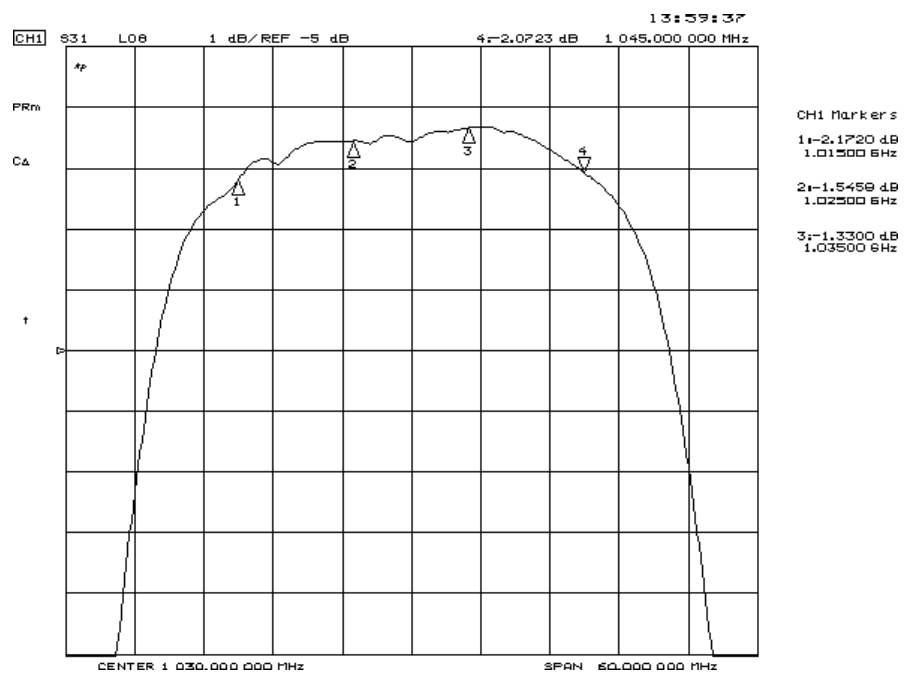
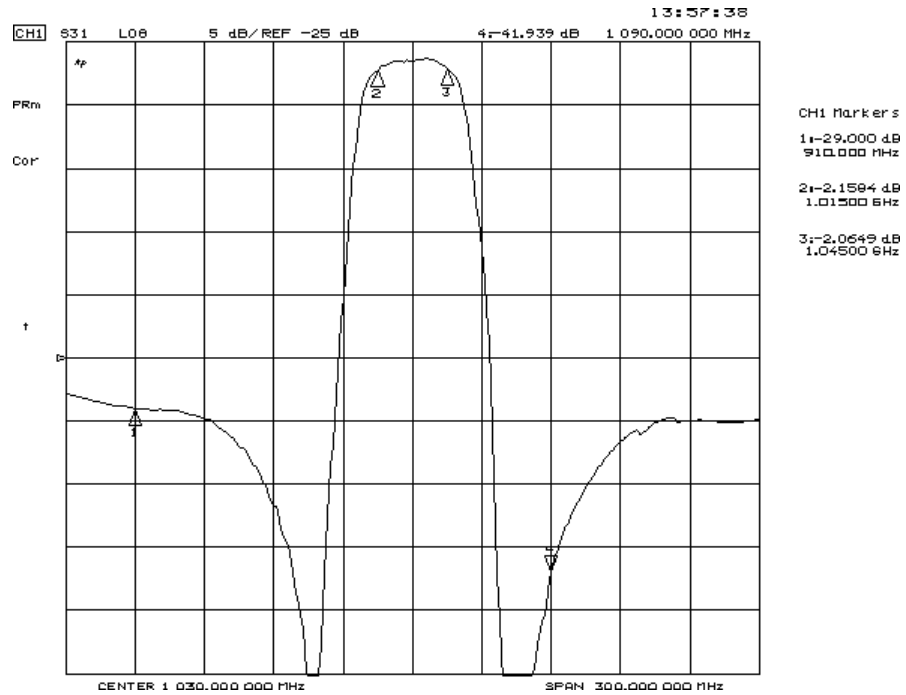
HP Network analyzer



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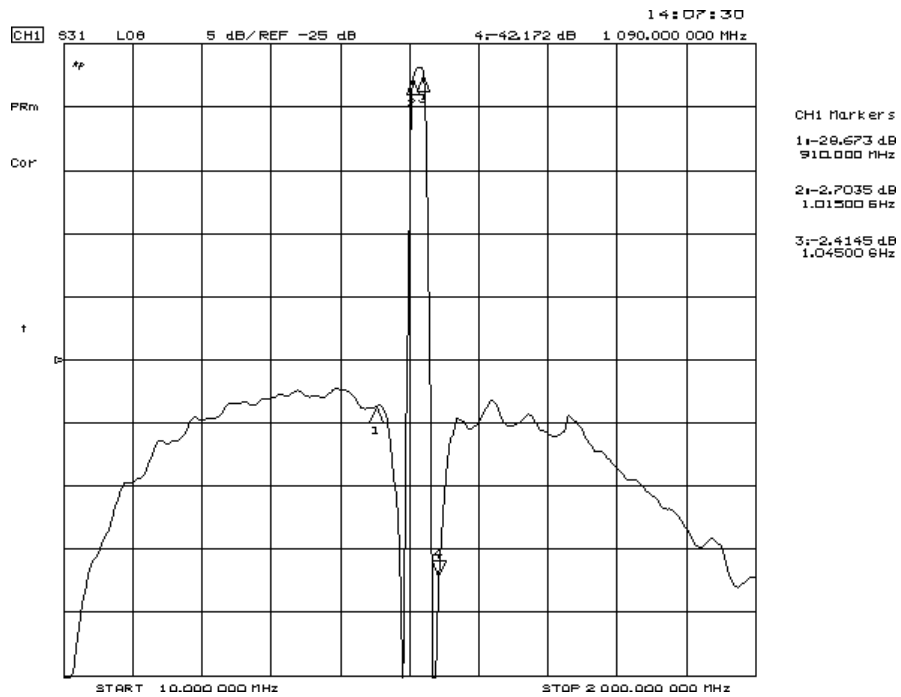
D. FREQUENCY CHARACTERISTICS:



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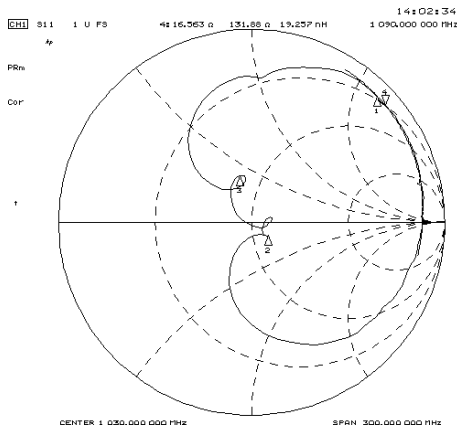
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(wideband)

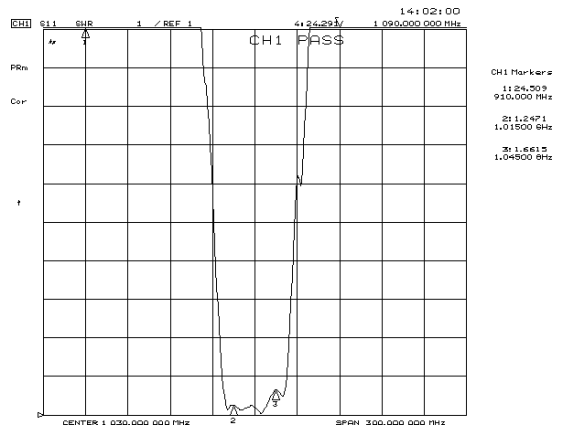


Reflections Functions

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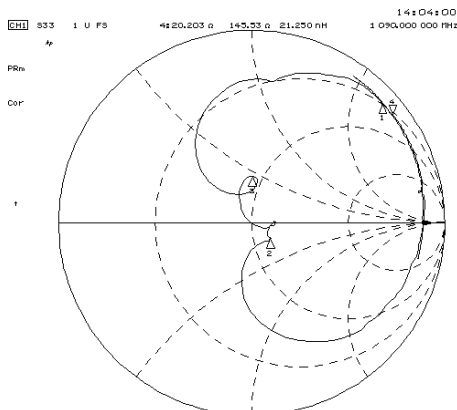


Marker	Amplitude (dB)	Frequency (MHz)
1	13.672	910.000
2	118.90	910.000
3	99.058	1.01500
4	8.2637	1.01800
5	31.29427	1.04500
6	203.357	1.04800

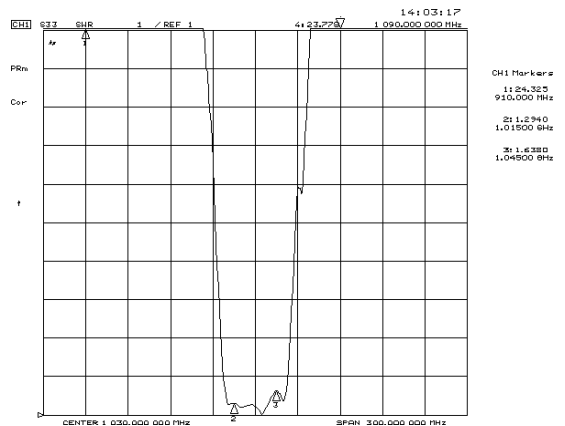


Marker	Amplitude (dB)	Frequency (MHz)
1	1124.509	910.000
2	112471	1.01500
3	11.6615	1.04500

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Marker	Amplitude (dB)	Frequency (MHz)
1	15.441	910.000
2	126.89	910.000
3	99.961	1.01500
4	10.004	1.01800
5	44.888	1.04500
6	22.375	1.04800

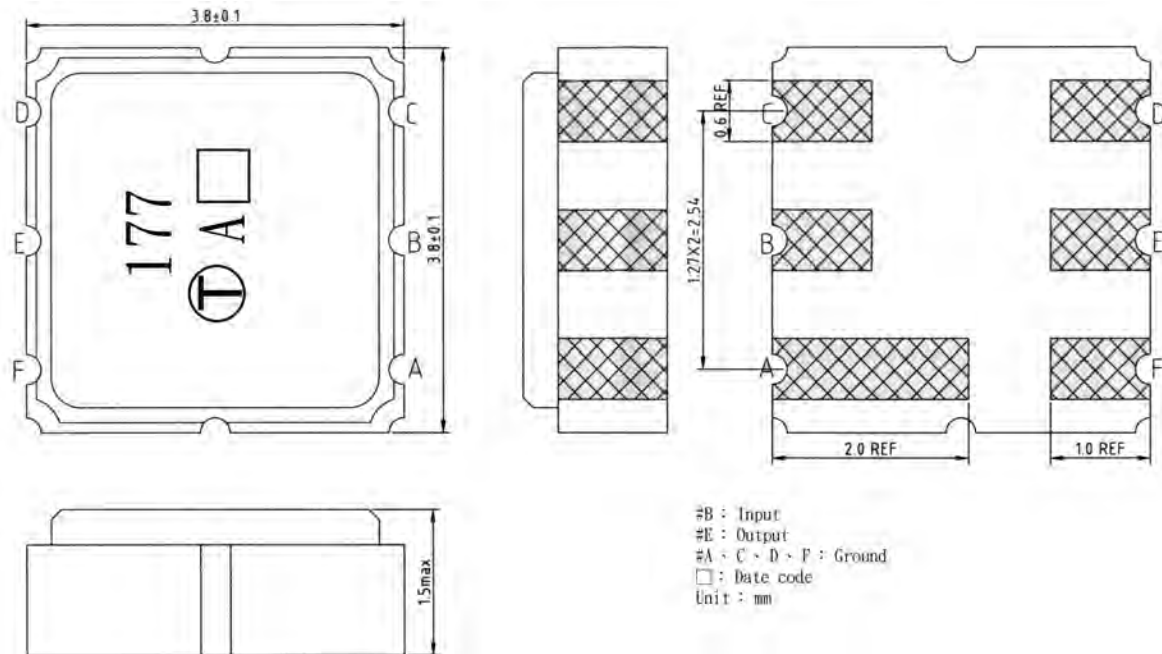


Marker	Amplitude (dB)	Frequency (MHz)
1	1124.325	910.000
2	112340	1.01500
3	11.6380	1.04500

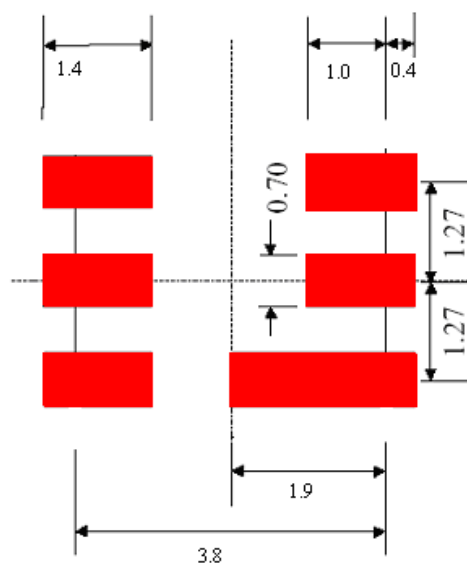
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E. OUTLINE DRAWING:



F. PCB FOOTPRINT:

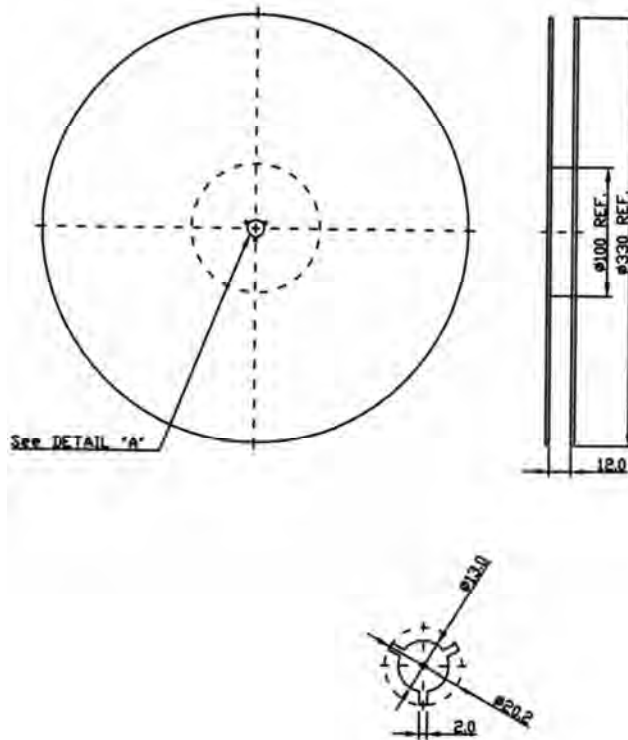


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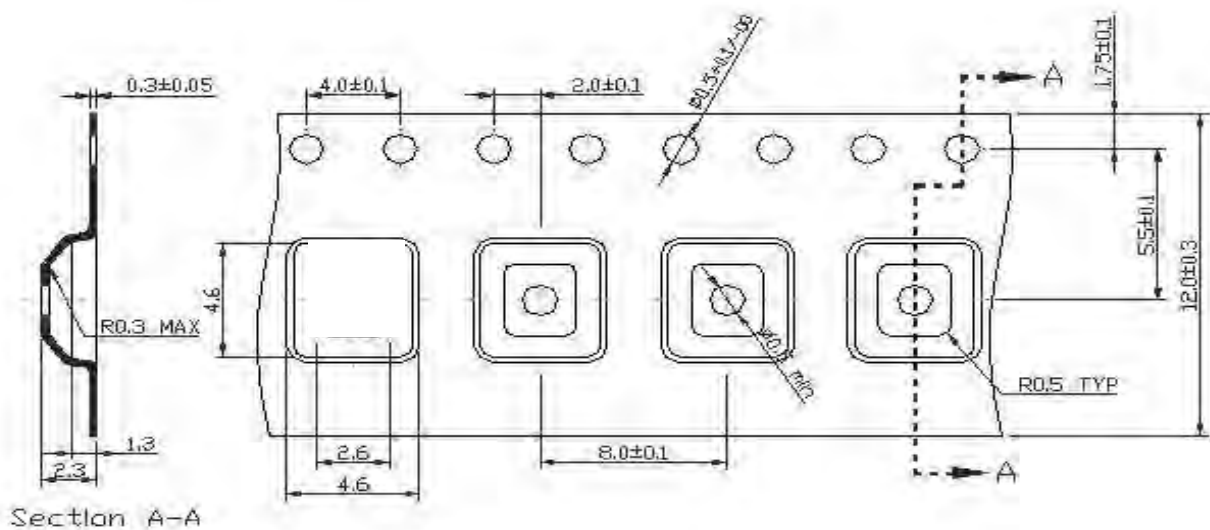
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G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



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H. RECOMMENDED REFLOW PROFILE:

