

SAW Filter 1076.06MHz
Part No: MP03097

Model: TA0696A
Rev No: 1

A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -50°C to +95°C

B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance (differential): $Z_S = 150\Omega // 39nH$

Terminating load impedance (differential): $Z_L = 150\Omega // 39nH$

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	1076.06	-	-
Bandwidth at -2.7dB	MHz	40	47	-	-
Min. Insertion Loss in 1056.06 ~ 1096.06MHz	dB	-	1.6	5	-
Amplitude ripple (1056.06MHz ~ 1096.06MHz)	dB	-	1.5	2.7	-
Phase error (1056.06MHz ~ 1096.06MHz) (3)	deg	-	5	6.5	-
I/O VSWR (1056.06MHz ~ 1096.06MHz)		-	2.4	2.8	-
Attenuation (1)					
50 ~ 994MHz	dB	43	46	-	-
1158.12 ~ 1850MHz	dB	40	43	-	-
1850 ~ 3000MHz	dB	35	38	-	-
3000 ~ 6000MHz	dB	30	33	-	-

Notes:

The amplitude reference is insertion loss at Fc.

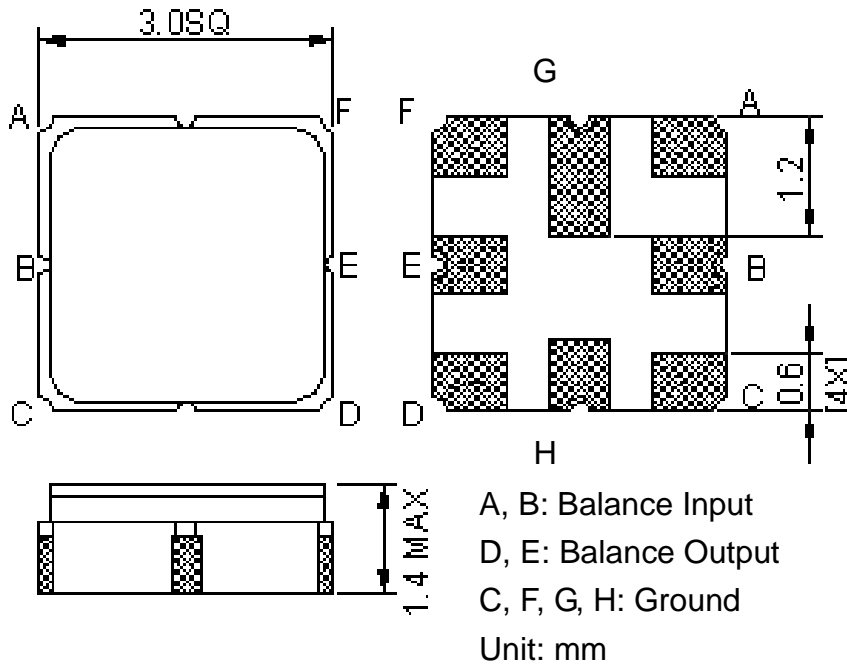
The amplitude ripple is defined as the max level - min level over any 30MHz block of the given bandwidth.

The phase error is measured over any 30MHz block of the given bandwidth.

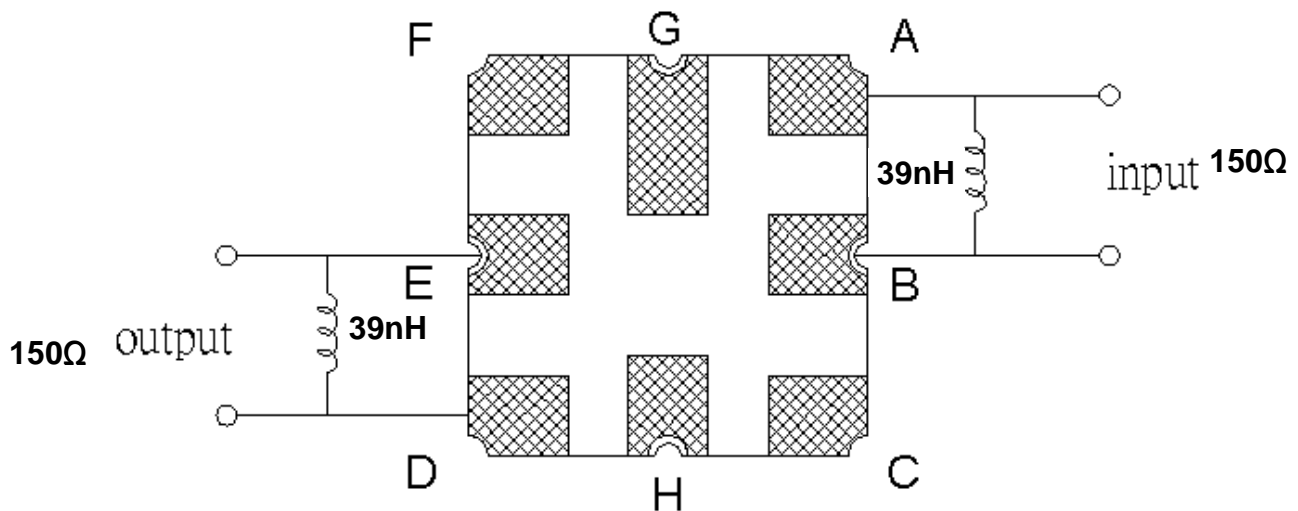
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C. OUTLINE DRAWING:



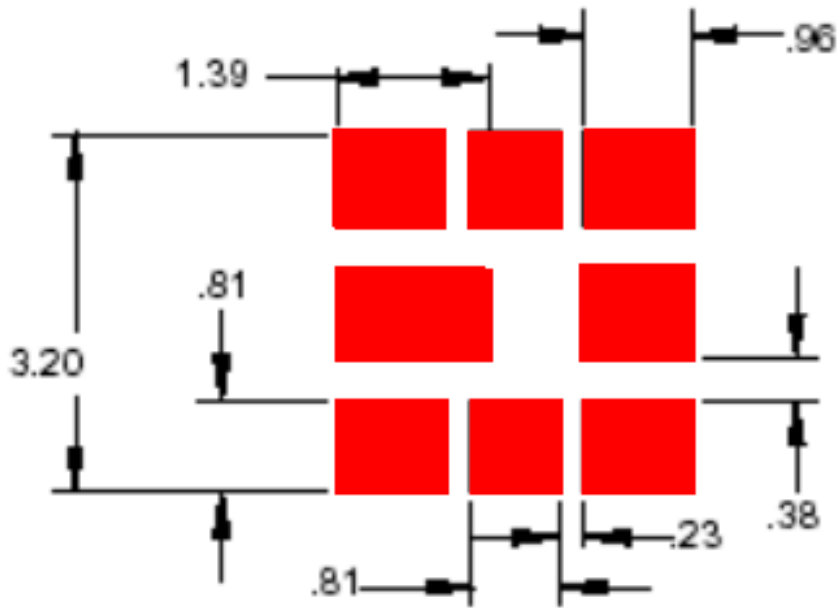
D. MEASUREMENT CIRCUIT:



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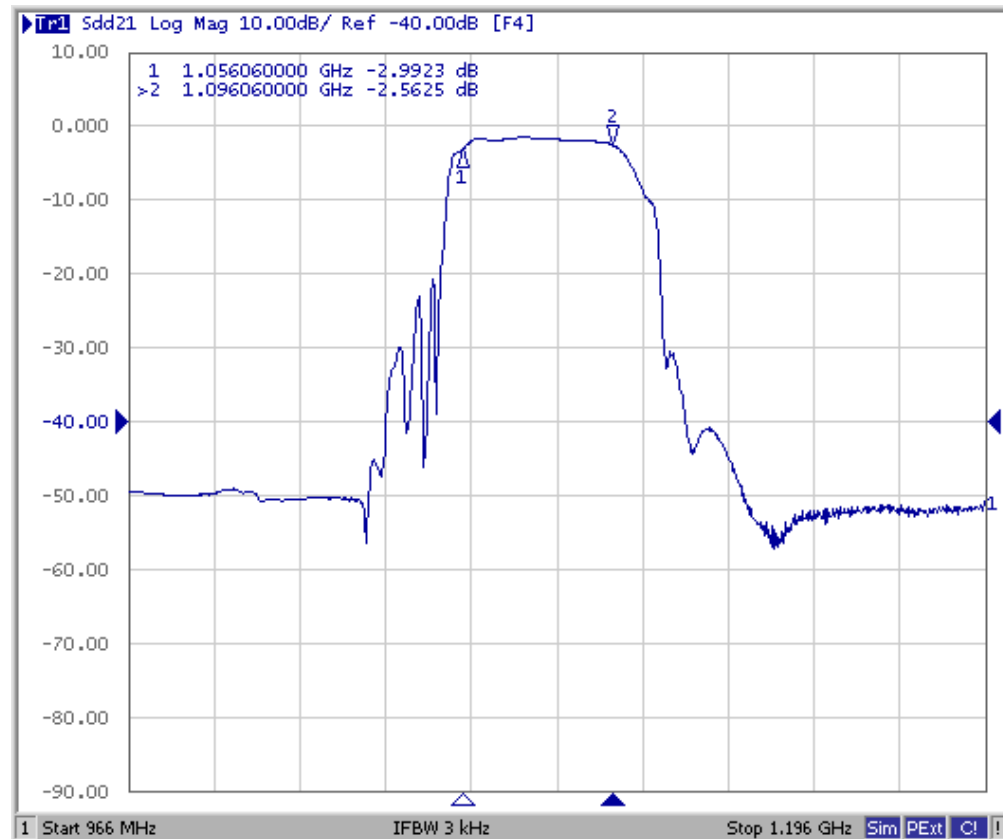
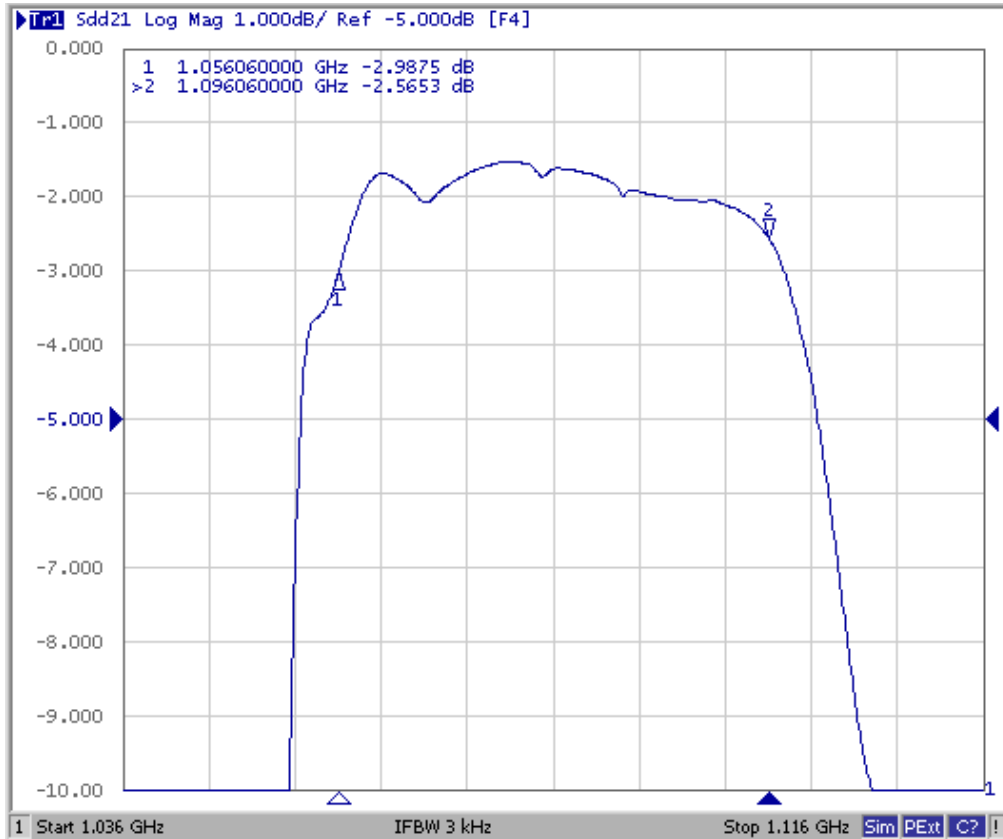
E. PCB FOOTPRINT:



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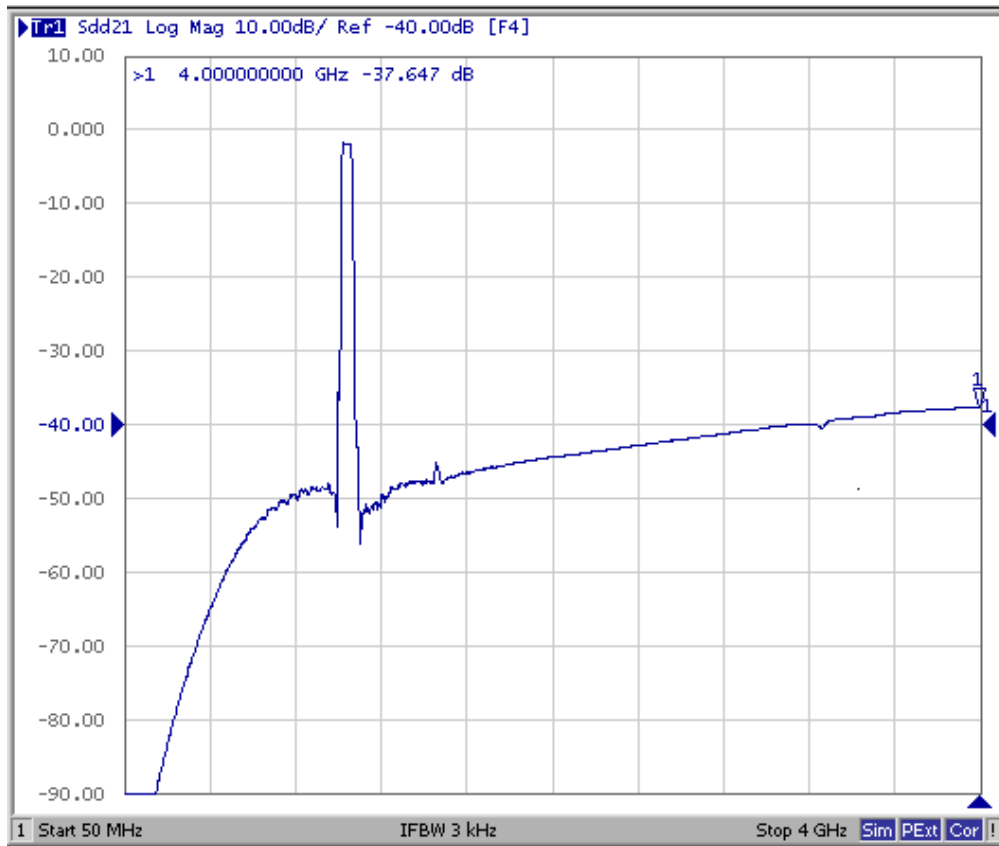
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F. FREQUENCY CHARACTERISTICS:



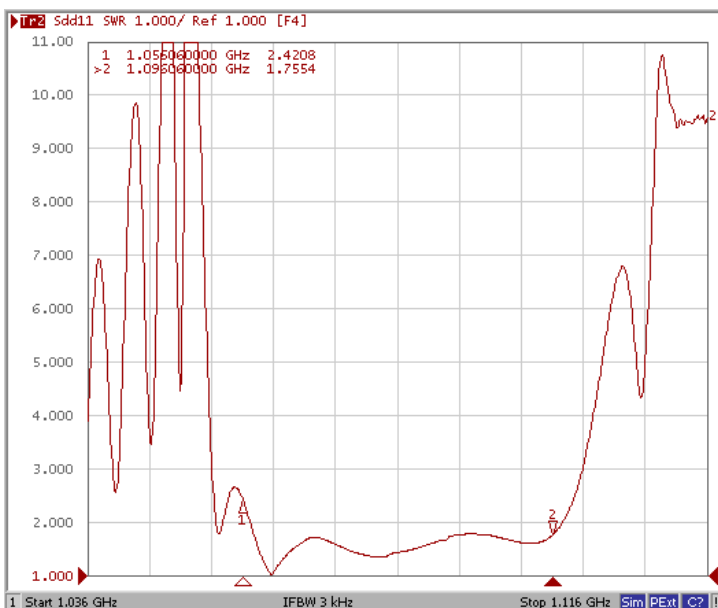
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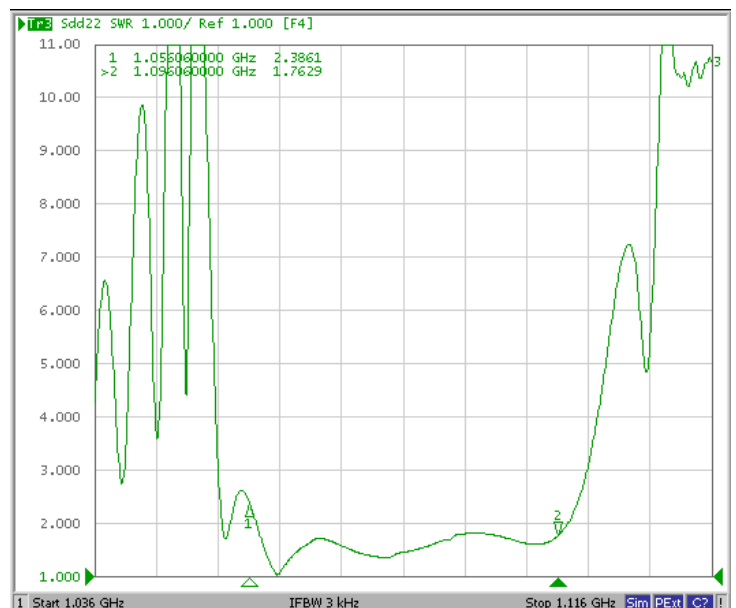


Reflection Functions

S11



S22



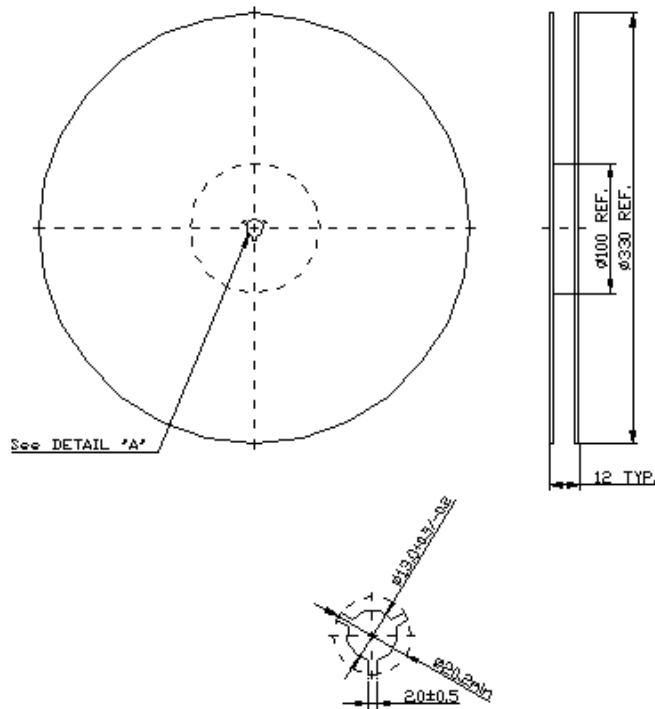
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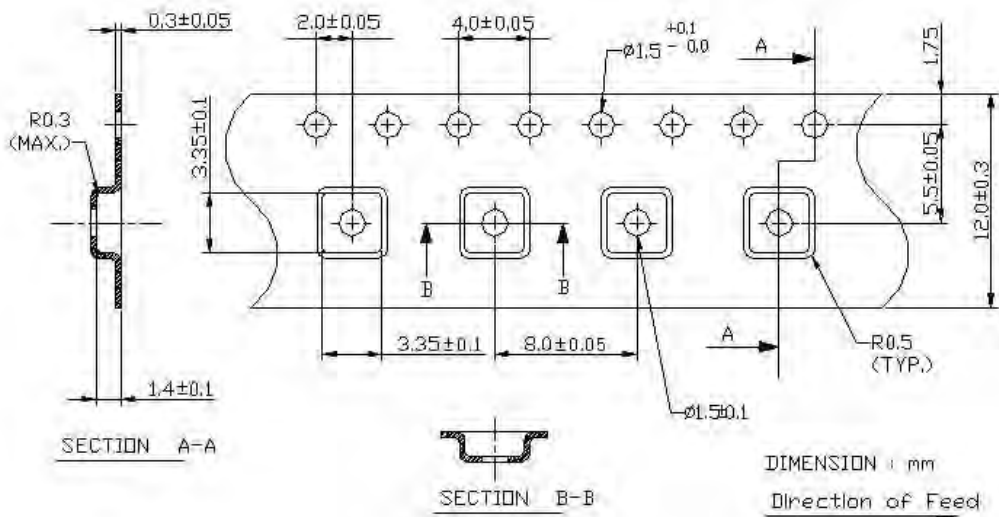
G. PACKING:

1. REEL DIMENSION

(Reel Count: 7" = 1000; 13" = 3000)



2. TAPE DIMENSION



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H. RECOMMENDED REFLOW PROFILE:

