

**SAW Filter 2096.660MHz**

**Model: TA0886A**

**Part No: MP04484**

**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:**

1. Terminating source impedance (differential):  $Z_S = 150\Omega // 18nH$
2. Terminating load impedance (differential):  $Z_L = 150\Omega // 18nH$

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	2096.66	-	-
Bandwidth at -2dB	MHz	40	65	-	-
Insertion Loss in 2076.66MHz ~ 2116.66MHz	dB	-	2.5	5	-
Amplitude ripple (2076.66MHz ~ 2116.66MHz)	dB	-	0.6	2	-
Phase error (2076.66MHz ~ 2116.66MHz) (3)	deg	-	3.3	5	-
Group Delay ripple(2076.66MHz ~ 2116.66MHz)	ns	-	5	25	-
I/O VSWR (2076.66MHz ~ 2116.66MHz)		-	1.5	2.5	-
Attenuation (1)					
50 ~ 2016.62MHz	dB	44	49	-	-
2176.7 ~ 2200MHz	dB	44	57	-	-
2200 ~ 4250MHz	dB	38	44.6	-	-
4250 ~ 6000MHz	dB	30	41.6	-	-

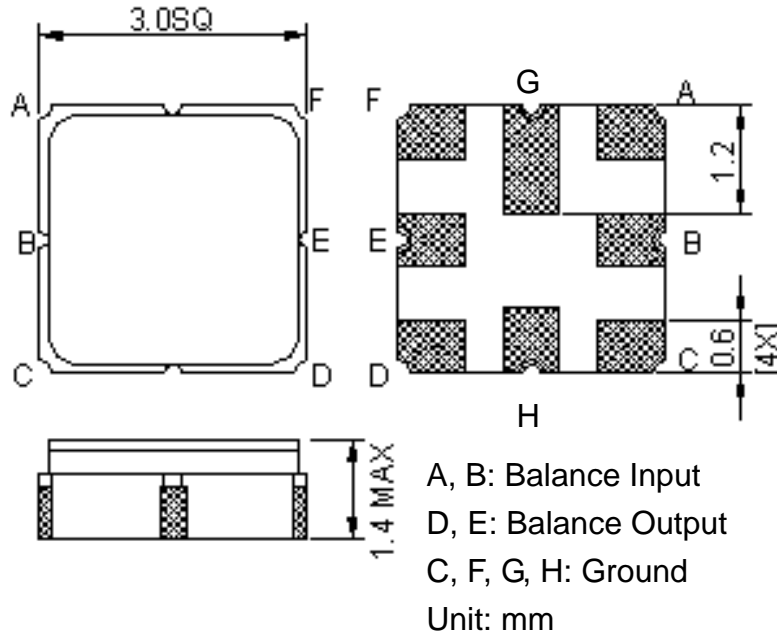
**Notes:**

1. The amplitude reference is insertion loss at Fc.
2. The amplitude ripple is defined as the max. level - min. level over any 30MHz block of the given bandwidth.
3. The phase error is measured over any 30MHz block of the given bandwidth.

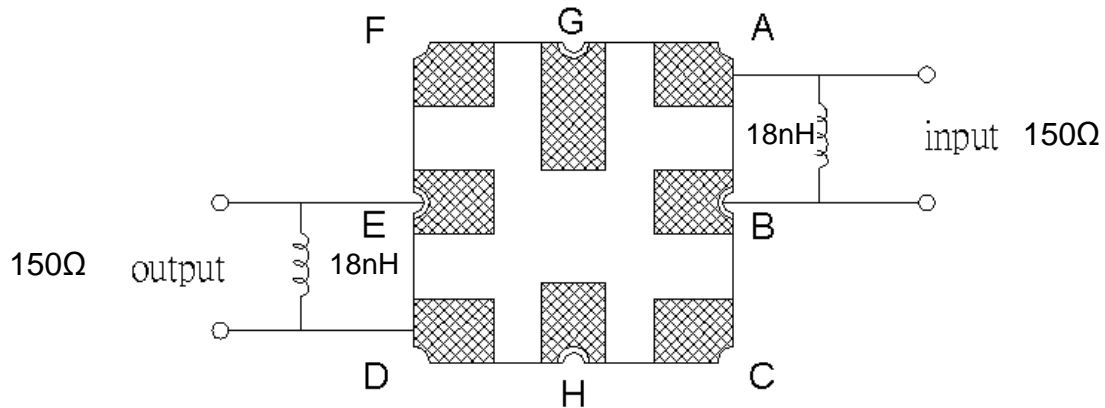
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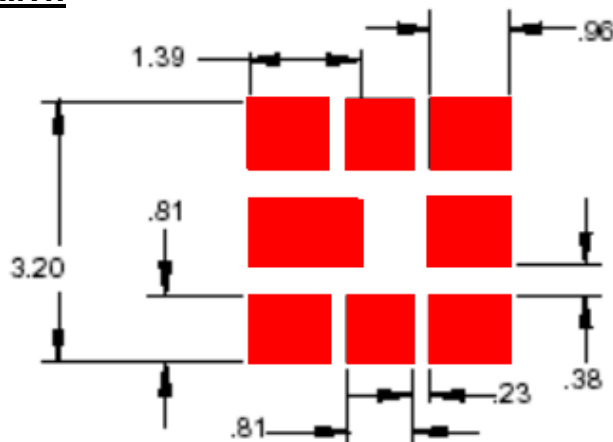
**C. OUTLINE DRAWING:**



**D. MEASUREMENT CIRCUIT:**



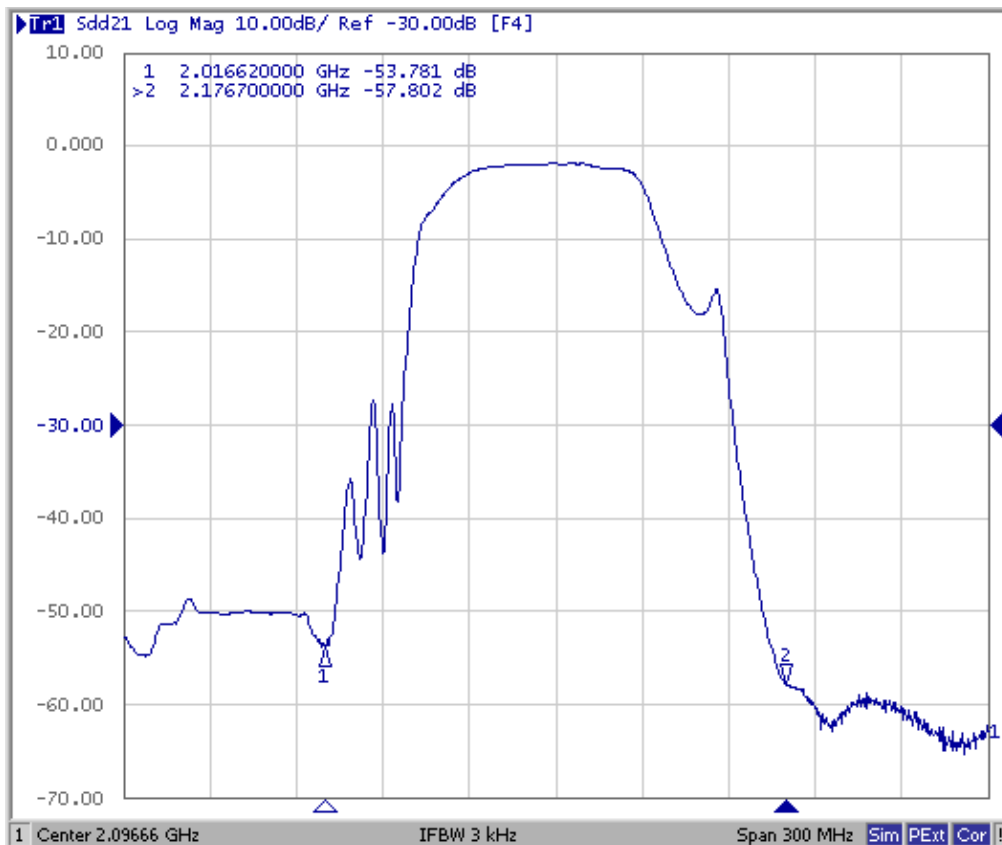
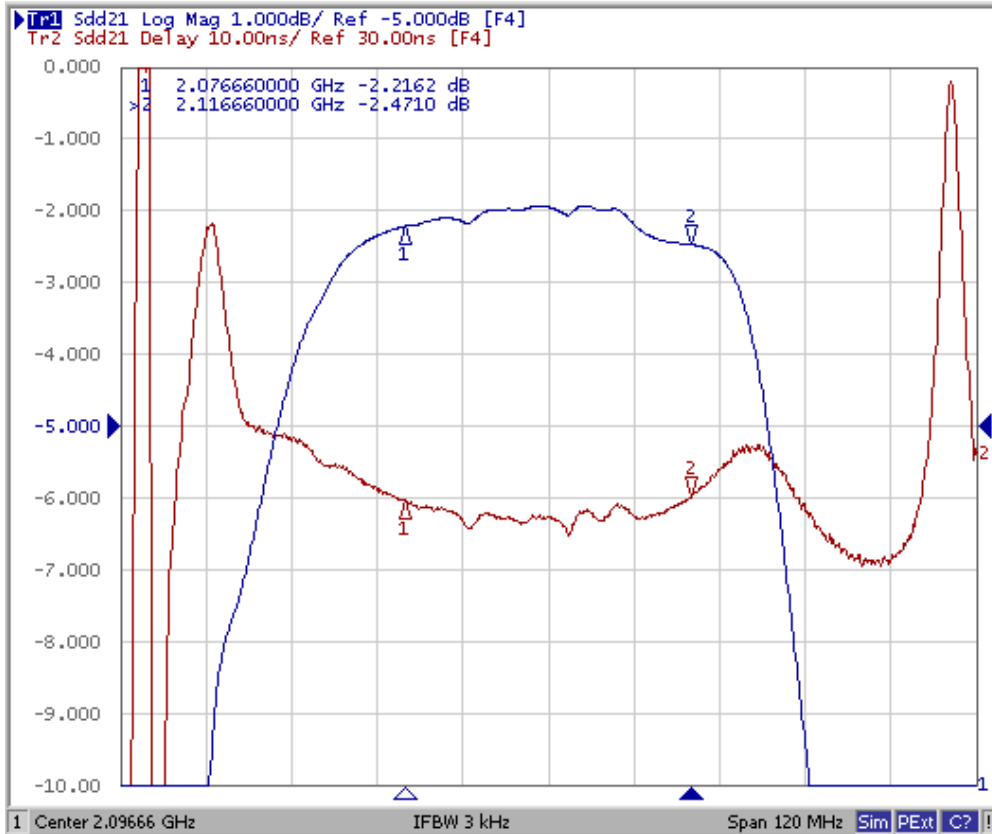
**E. PCB FOOTPRINT:**



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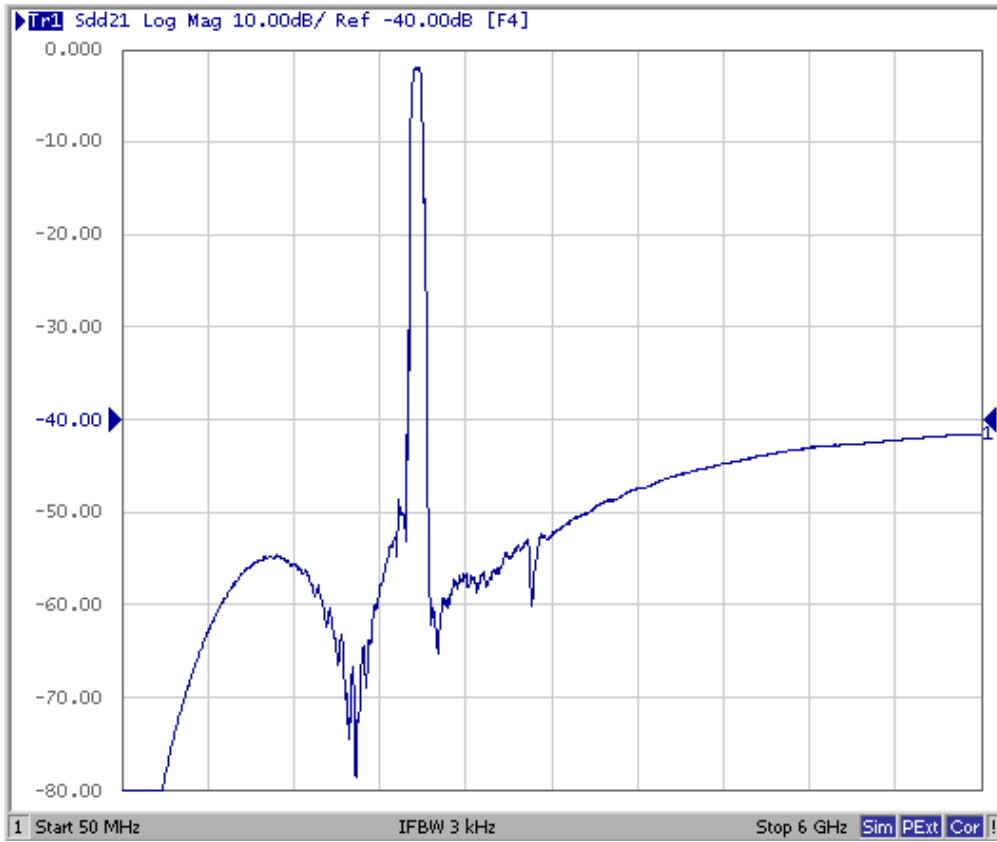
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**F. FREQUENCY CHARACTERISTICS:**



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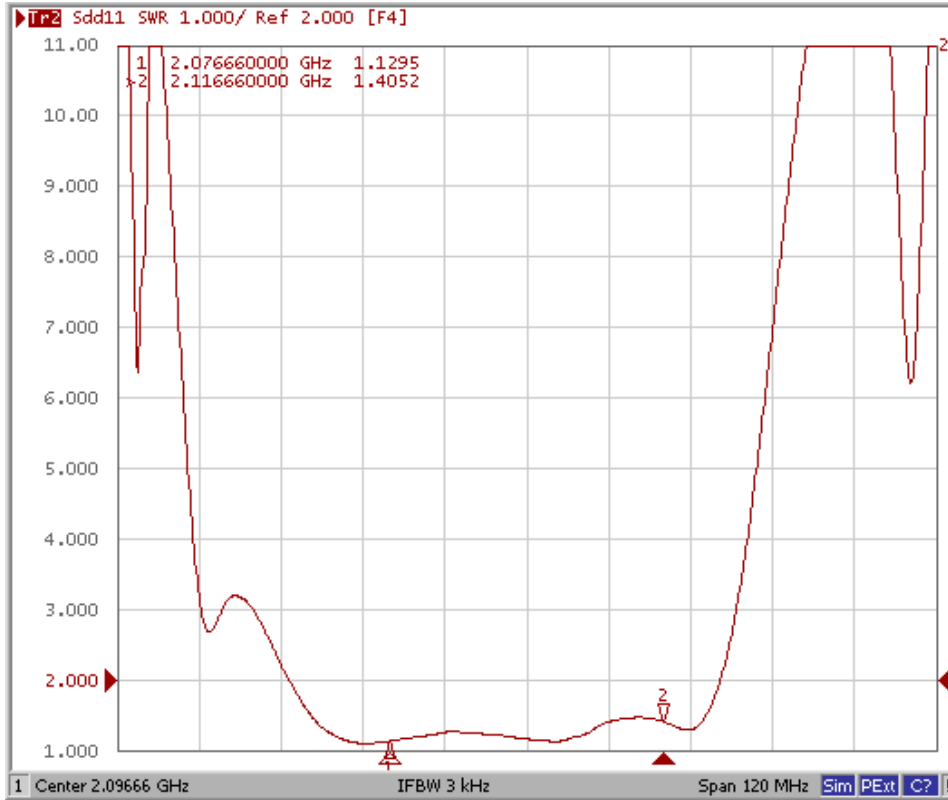


**SAW Filter 2096.660MHz**  
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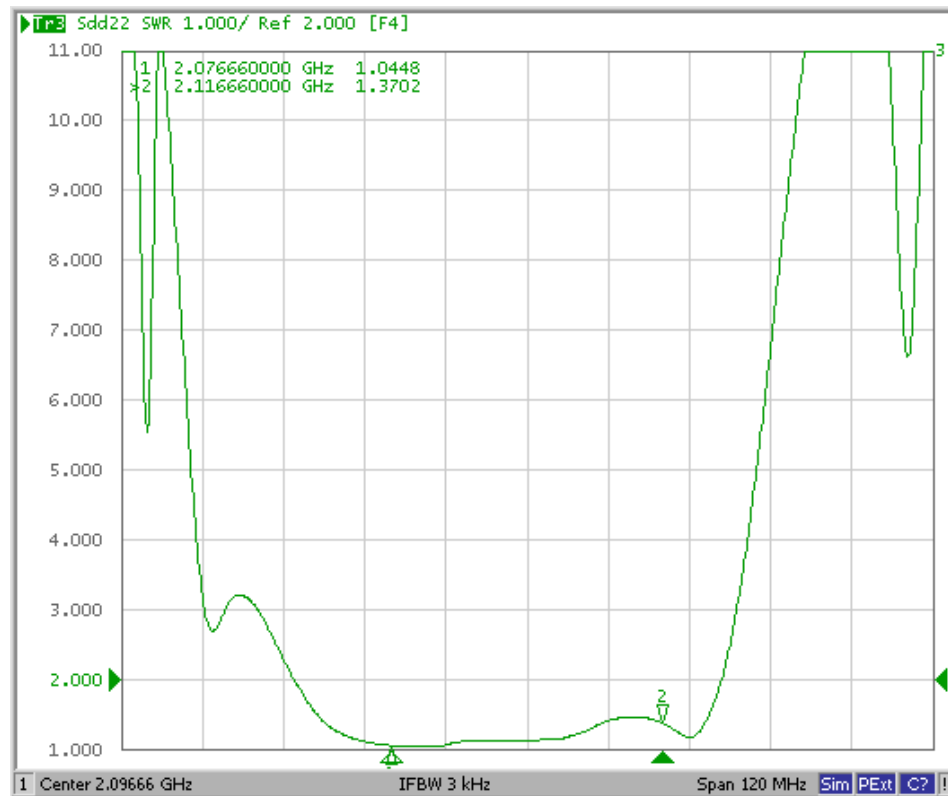
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Reflection Functions

S11



S22



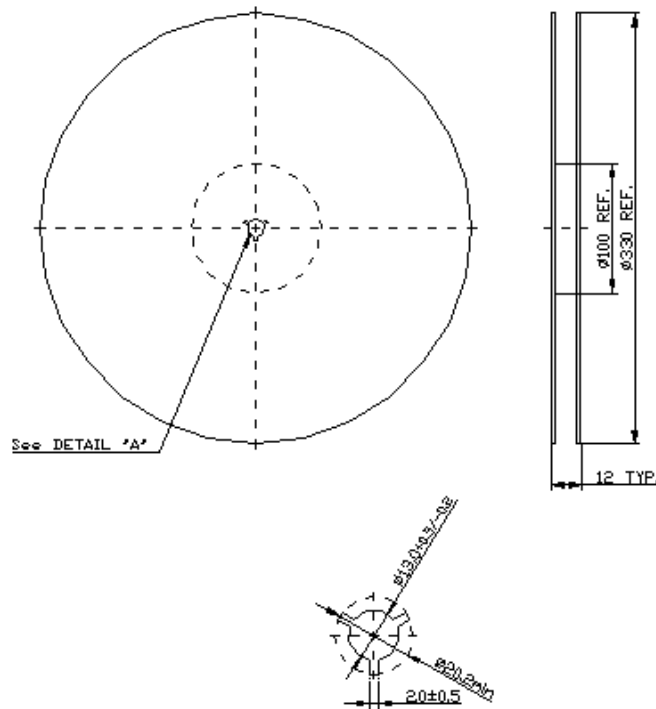
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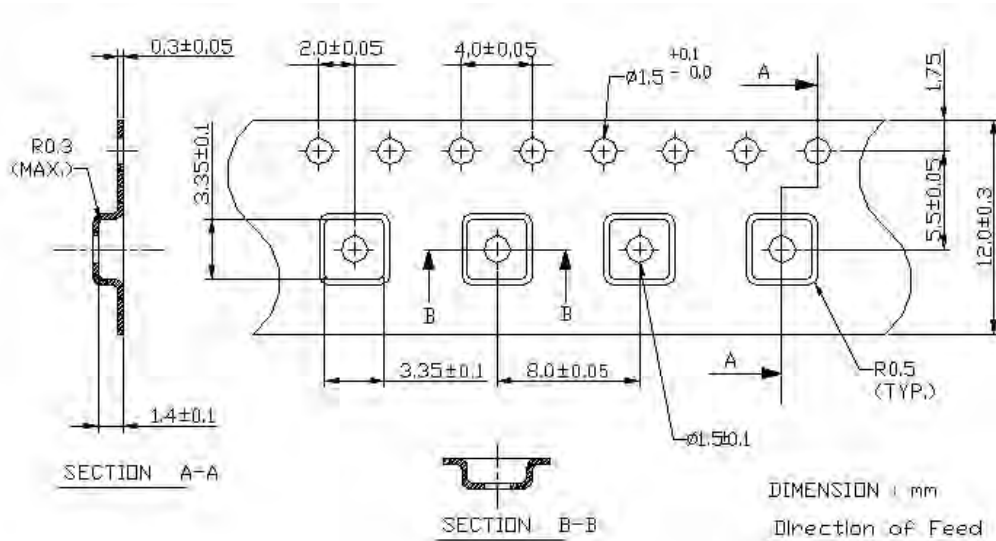
**G. PACKING:**

1. Reel Dimension

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



2. Tape Dimension



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**H. RECOMMENDED REFLOW PROFILE:**

