

SAW Filter 1382.24MHz
Part No: MP01479

Model: TA0697A
Rev No: 2

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) $Z_S = 150\Omega // 30nH$

Terminating load impedance (differential) $Z_L = 150\Omega // 30nH$

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	1382.24	-	-
Bandwidth at -2dB	MHz	40	52	-	-
Insertion Loss in 1362.24 ~ 1402.24MHz	dB	-	2.2	5	-
Amplitude ripple (1362.24MHz ~ 1402.24MHz)	dB	-	0.6	2	-
Phase error (1362.24MHz ~ 1402.24 MHz) (3)	deg	-	4.3	6.5	-
I/O VSWR (1362.24MHz ~ 1402.24MHz)		-	1.7	2.5	-
Attenuation (1)					
50 ~ 1300.18MHz	dB	46	50	-	-
1464.3 ~ 1810.5MHz	dB	46	52	-	-
1810.5 ~ 4250MHz	dB	35	40	-	-
4250 ~ 6000MHz	dB	30	39	-	-

Notes:

The amplitude reference is insertion loss at Fc.

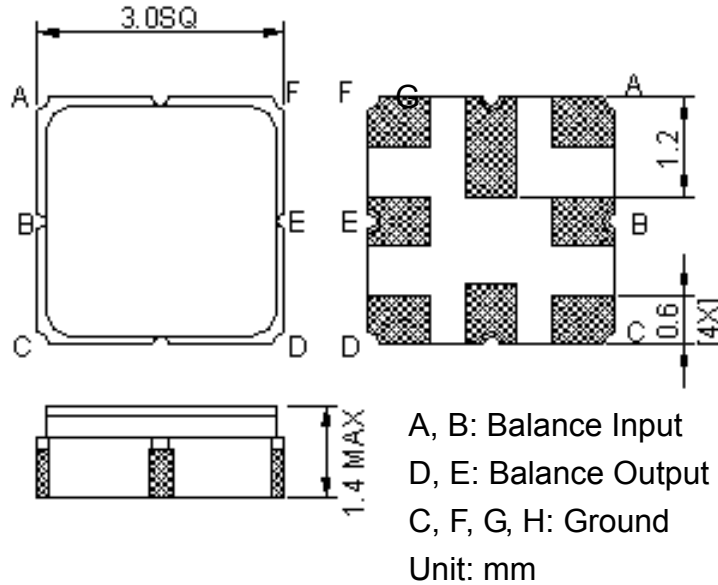
The amplitude ripple is defined as the max. level - min. level over any 30MHz block of the given bandwidth.

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

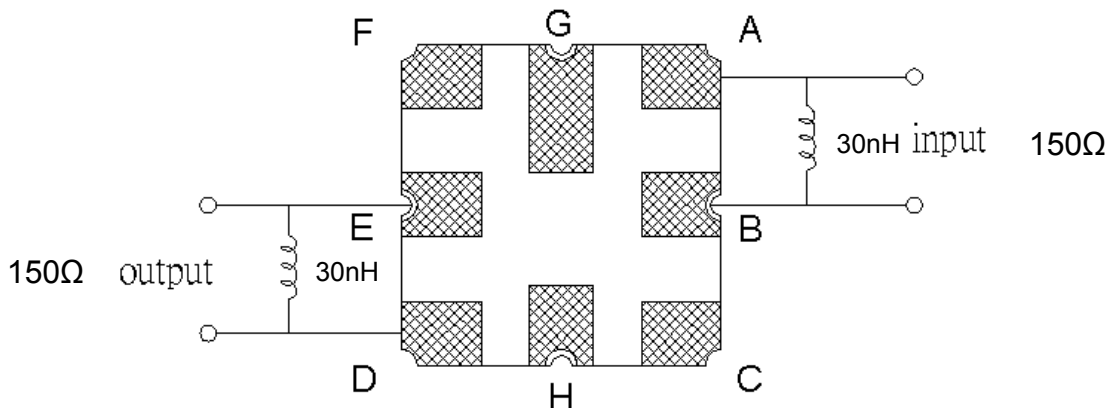
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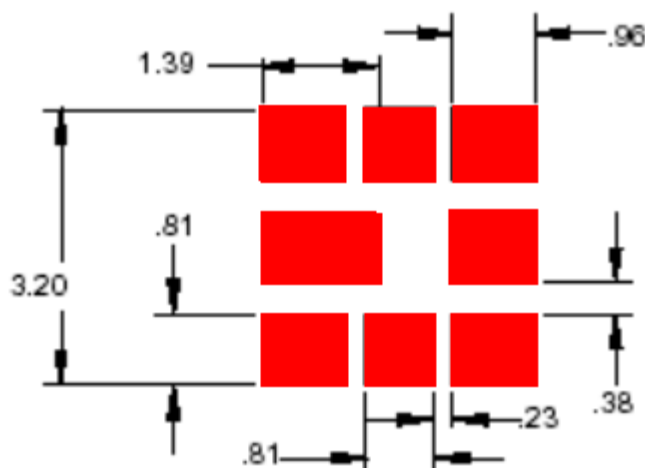
C. OUTLINE DRAWING:



D. MEASUREMENT CIRCUIT:



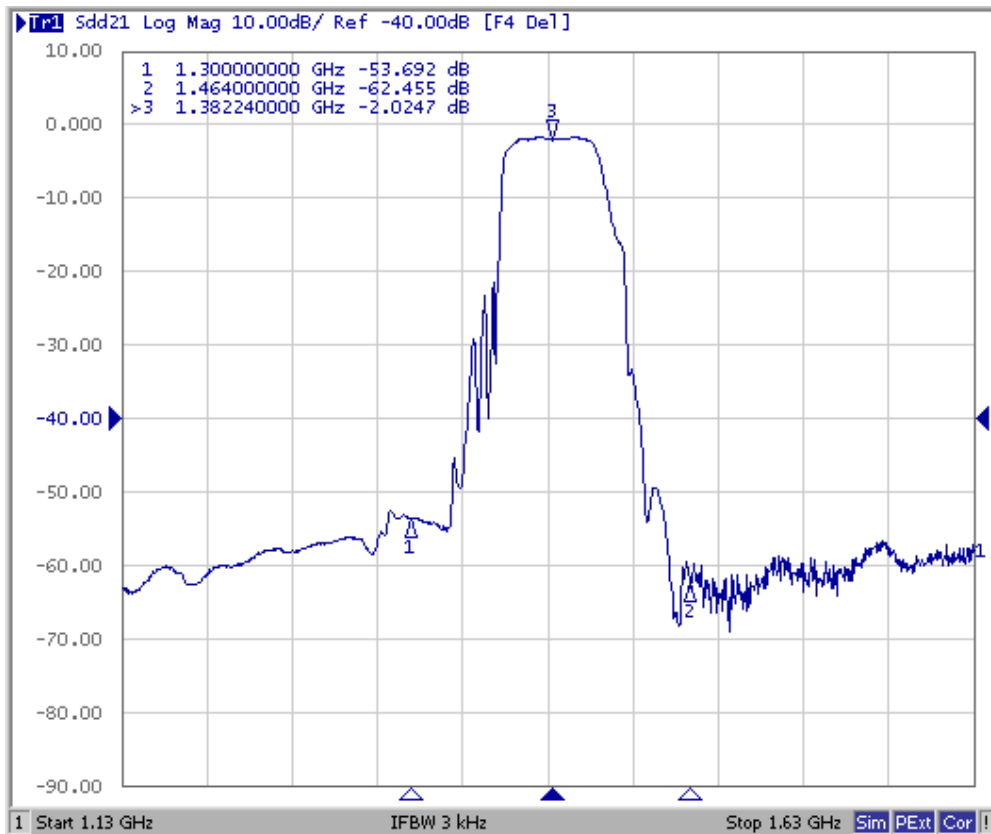
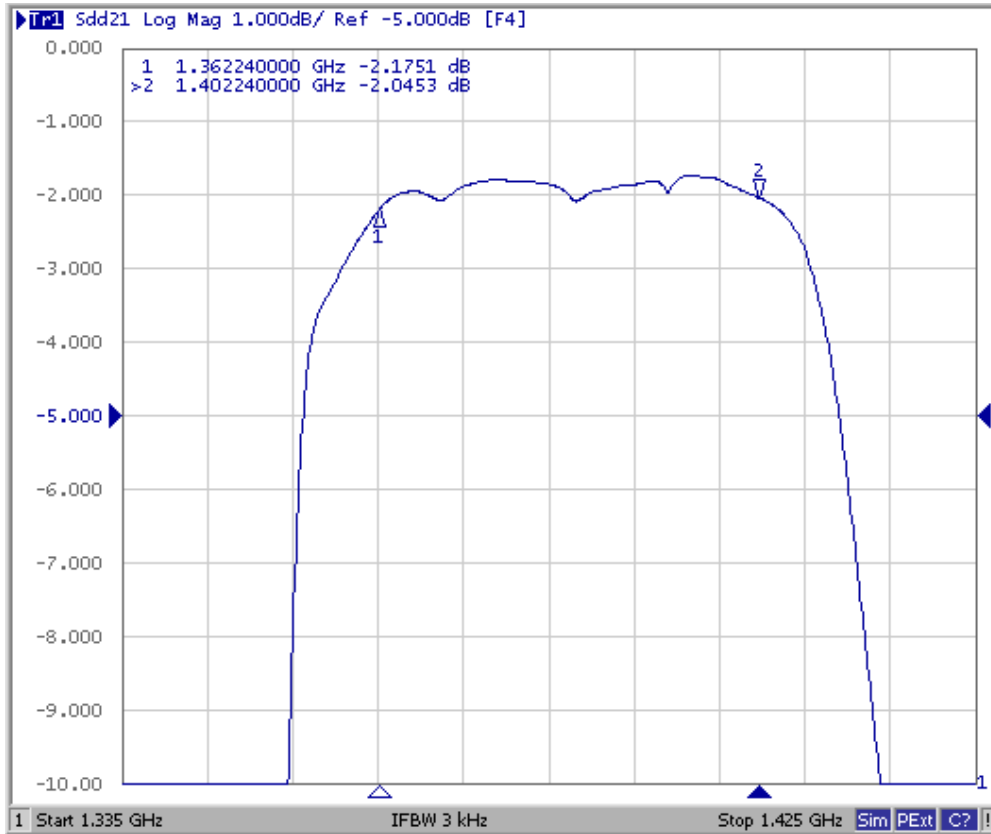
E. PCB FOOTPRINT:



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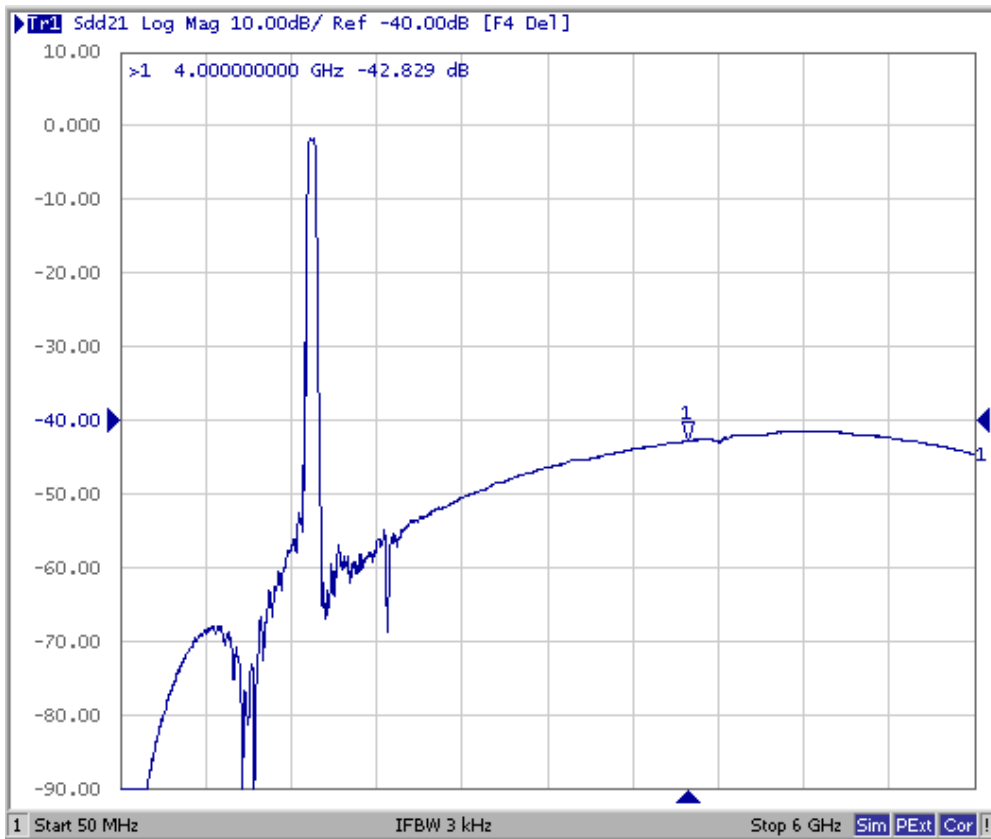
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F. FREQUENCY CHARACTERISTICS:



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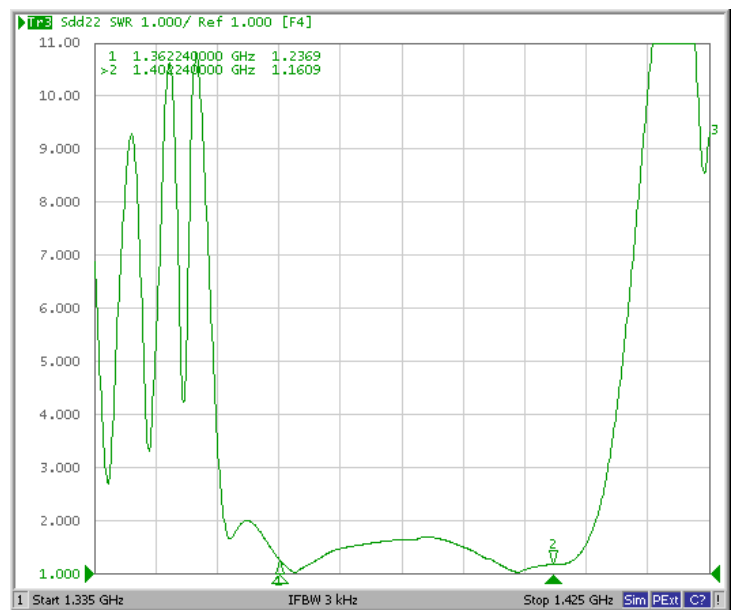
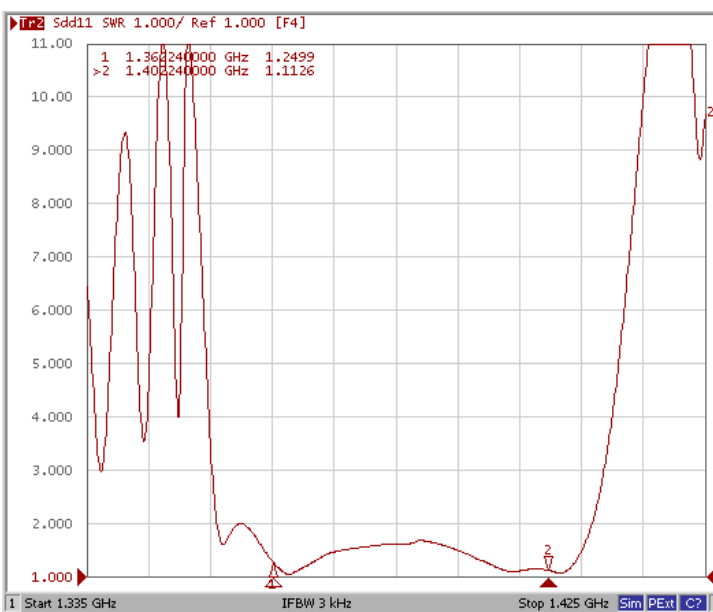
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Reflection Functions

S11

S22



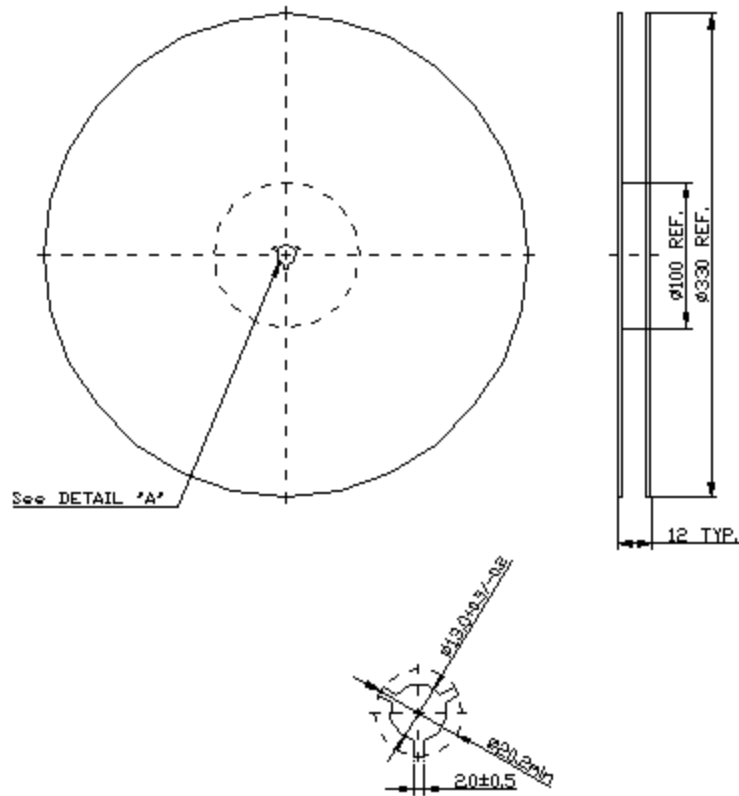
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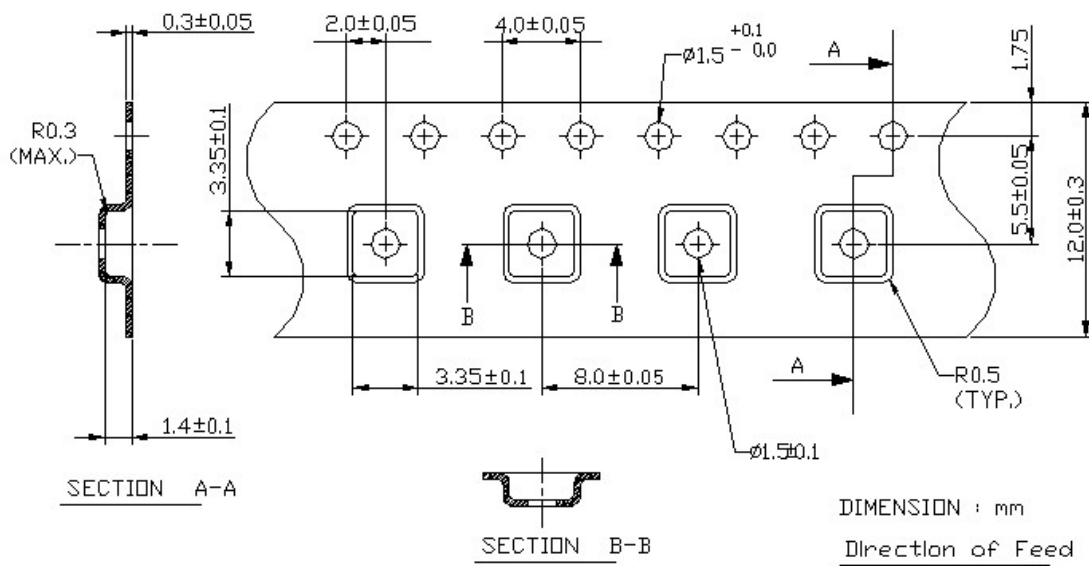
G. PACKING:

1. Reel Dimension

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



2. Tape Dimension



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H. RECOMMENDED REFLOW PROFILE:

