

SAW Filter 1210MHz
Part No: MP03213

Model: TA1029A
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): $Z_S = 150\Omega // 82nH$

Terminating load impedance (differential): $Z_L = 150\Omega // 82nH$

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	1210	-	-
Bandwidth at -2dB	MHz	56	74	-	-
Insertion Loss in 1180 ~ 1240MHz	dB	-	3.7	5	-
Amplitude ripple (1180 ~ 1240MHz)	dB	-	1	2	-
Phase error (1180 ~ 1240MHz) (3)	deg	-	3.5	5	-
I/O VSWR (1180 ~ 1240MHz)		-	1.8	2.5	-
CMDR (1180 ~ 1240MHz)	dB	22	35	-	-
Attenuation (1)					
50 ~ 960MHz	dB	32	35	-	-
960 ~ 1120MHz	dB	40	43	-	-
1315 ~ 2500MHz	dB	40	43	-	-
2500 ~ 3200MHz	dB	35	39	-	-
3200 ~ 6000MHz	dB	30	33	-	-

Notes:

The amplitude reference is insertion loss at Fc.

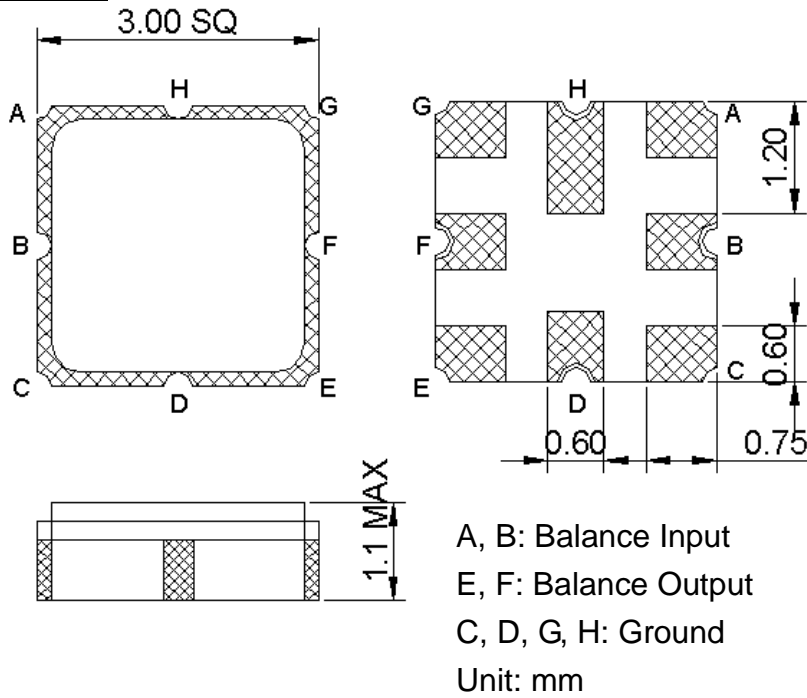
The amplitude ripple is defined as the max level - min level over any 36MHz block of the given bandwidth.

The phase error is measured over any 36MHz block of the given bandwidth.

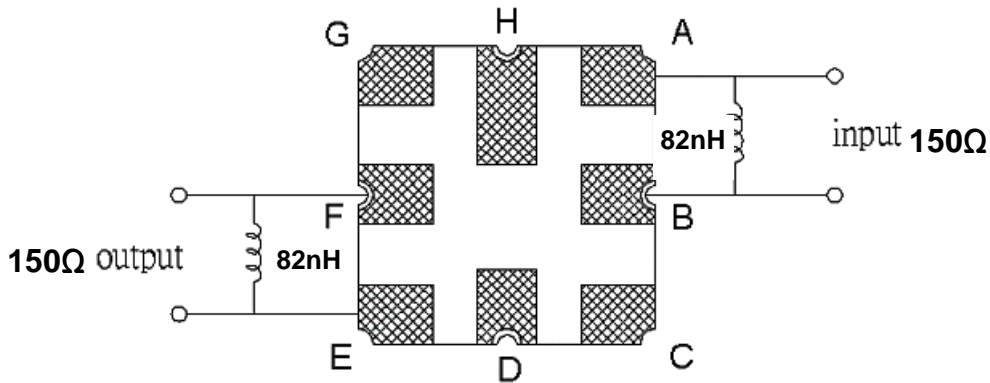
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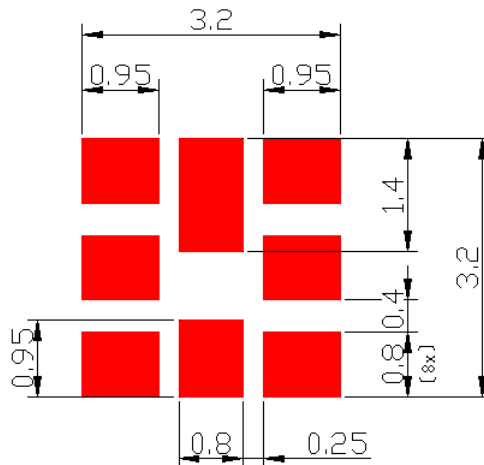
C. OUTLINE DRAWING:



D. MEASUREMENT CIRCUIT:



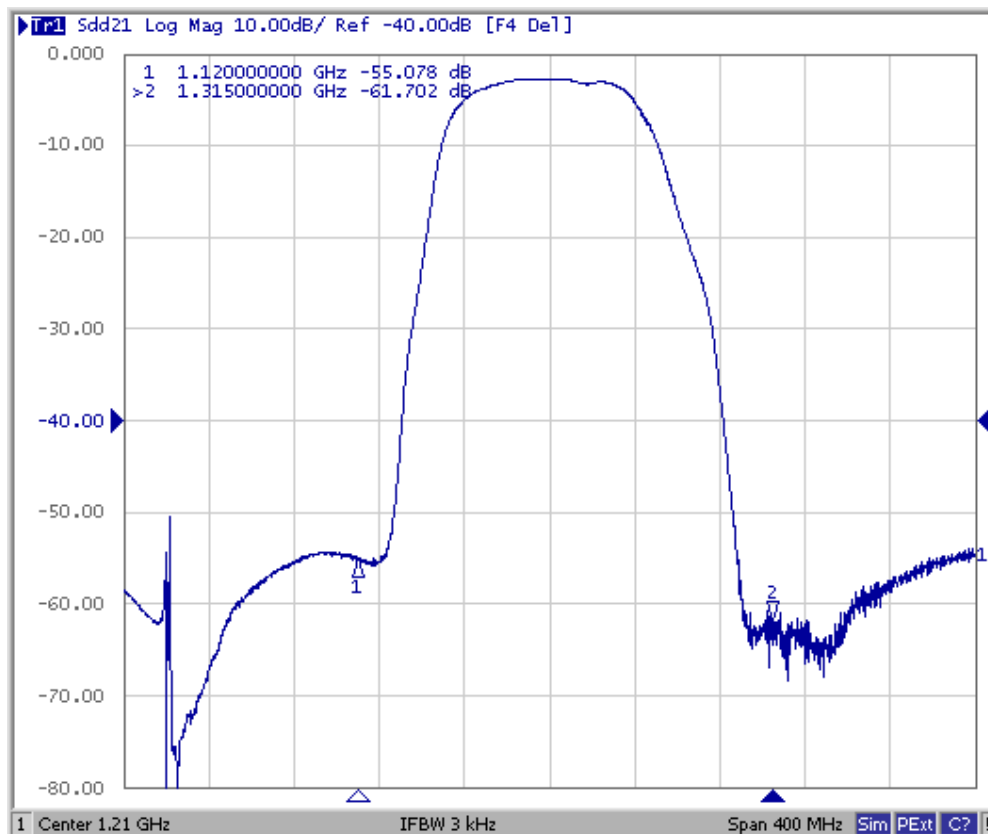
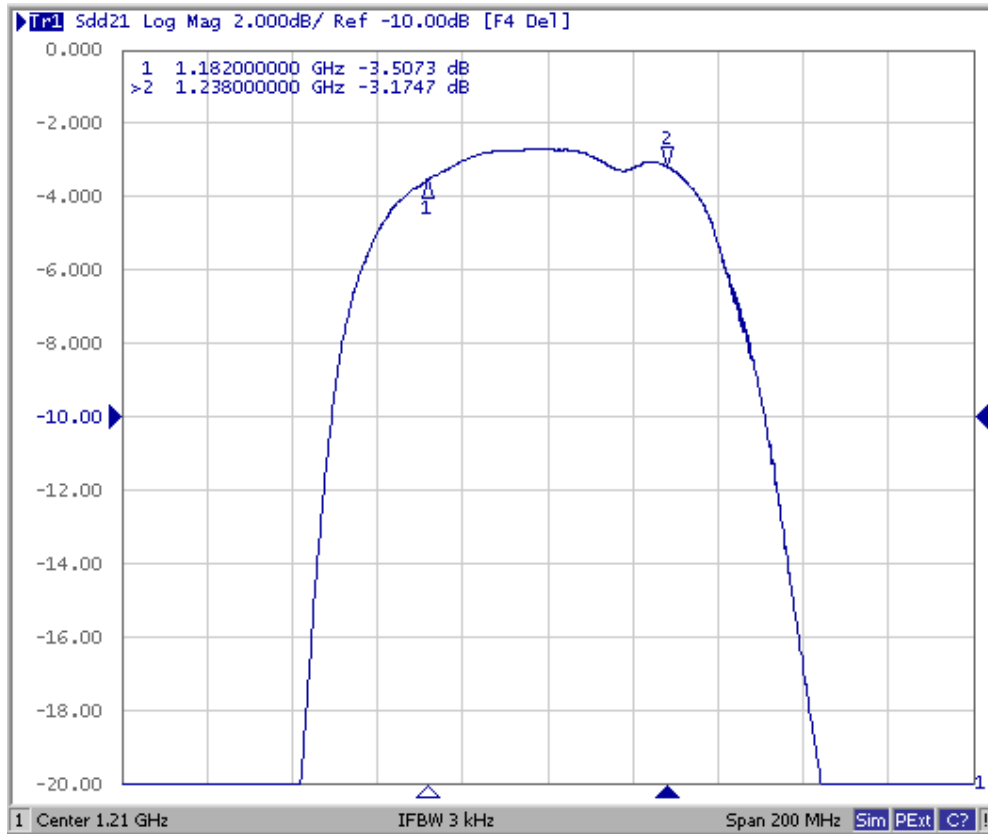
E. PCB FOOTPRINT:



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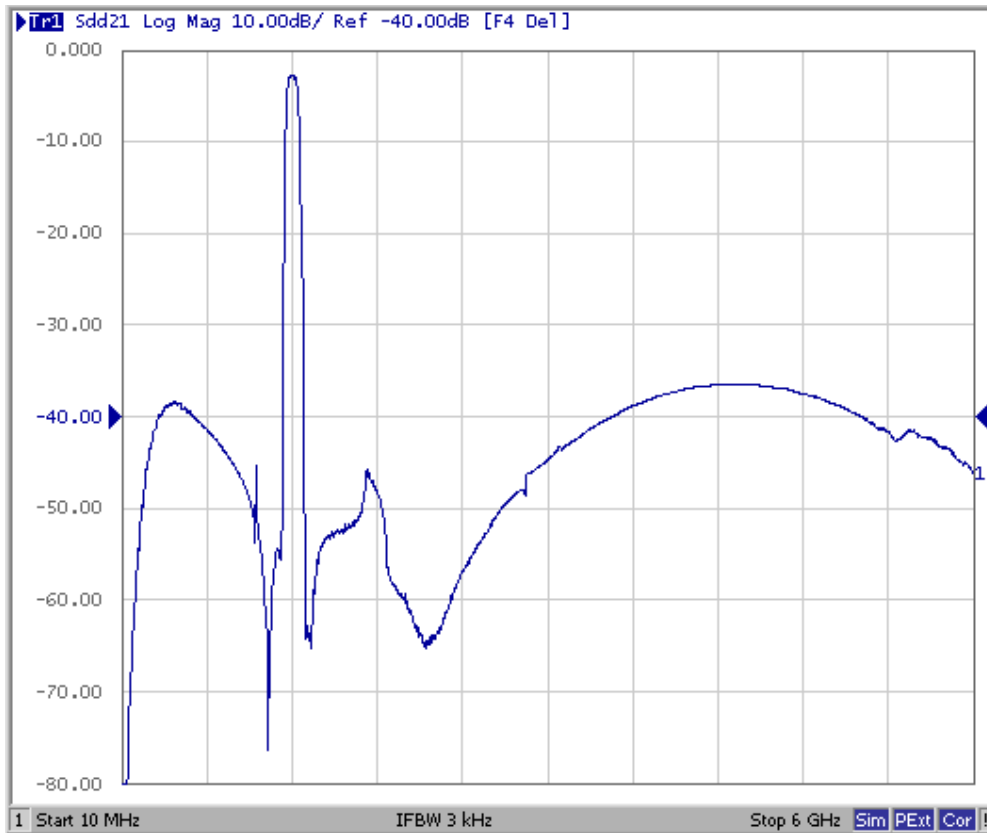
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F. FREQUENCY CHARACTERISTICS:



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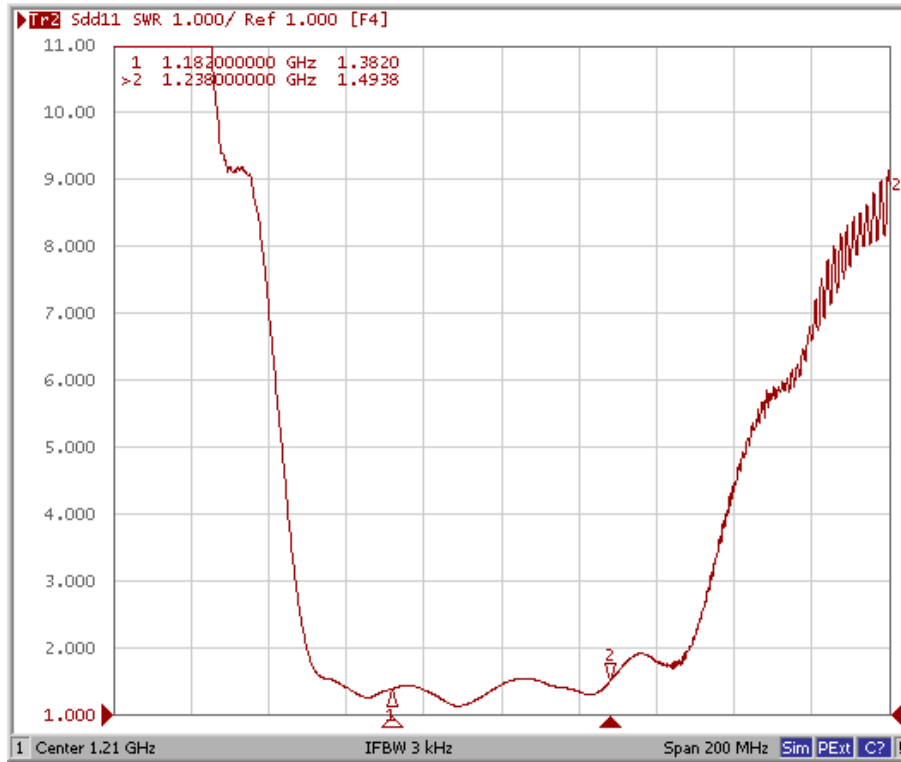


SAW Filter 1210MHz
Part No: MP03213

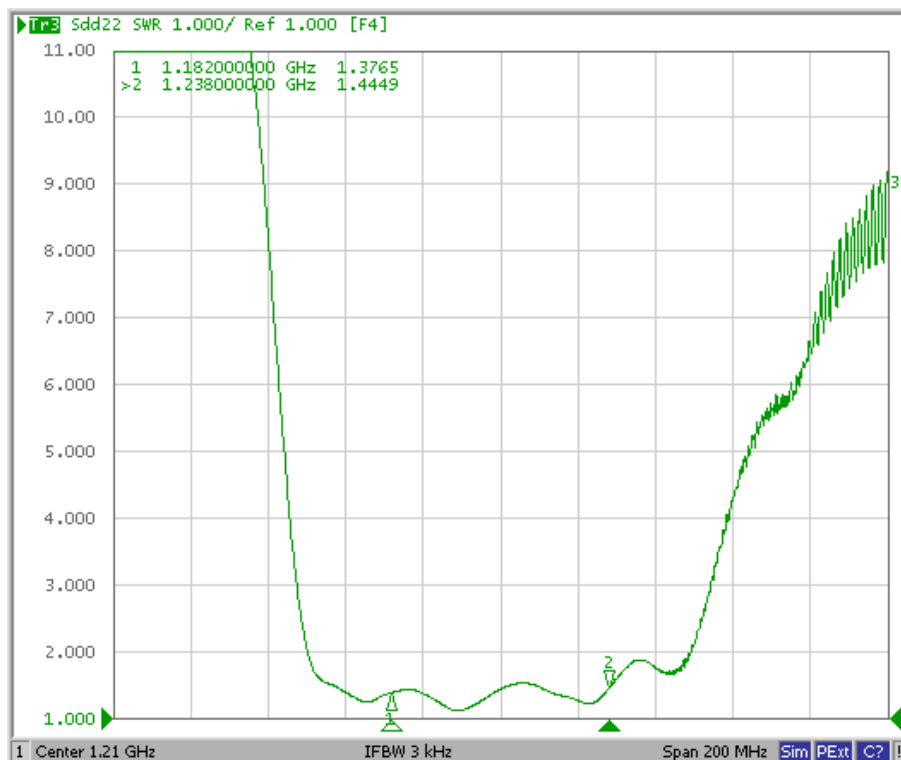
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Rev No: 1

Reflection Functions

S11



S22



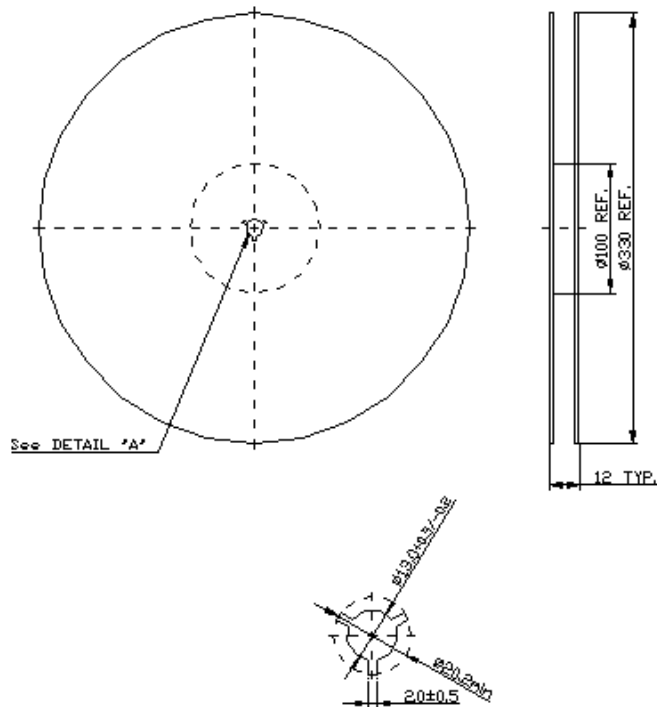
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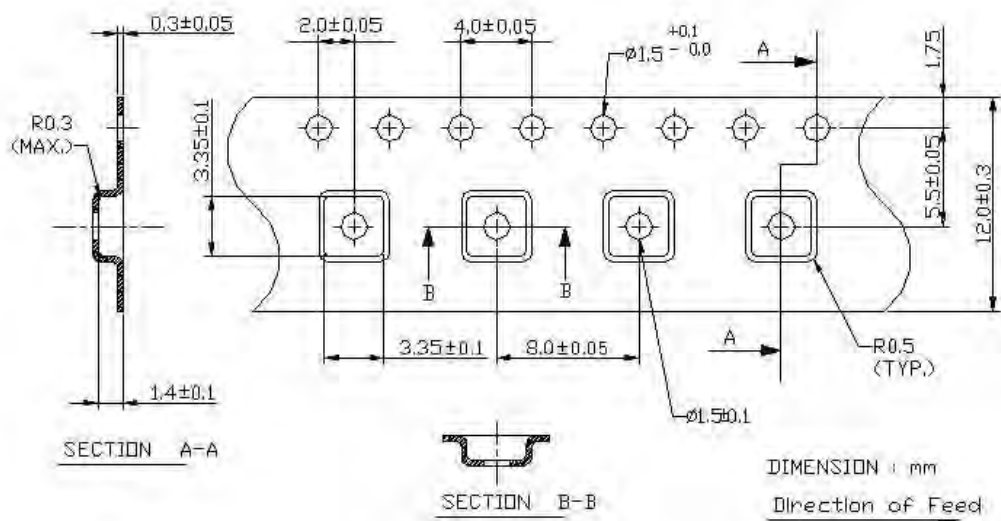
G. PACKING:

1. REEL DIMENSION

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



2. TAPE DIMENSION



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H. RECOMMENDED REFLOW PROFILE:

