

SAW Filter 1582.50MHz
Part No: MP09580

Model: TA2243A
Rev No: 1

A. MAXIMUM RATING:

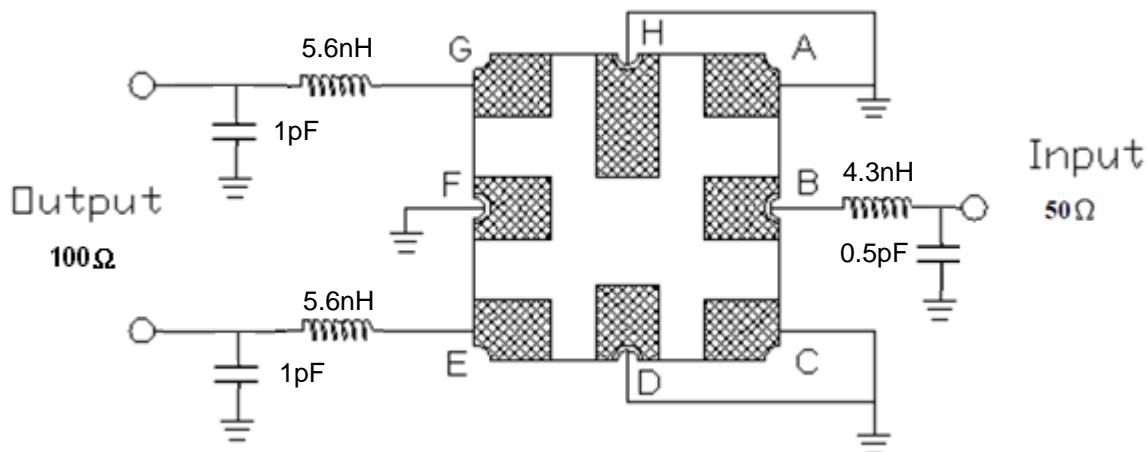
Electrostatic Sensitive Device (ESD)

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

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center Frequency Fc	MHz	-	1582.5	-
Insertion Loss (1551 ~ 1614MHz)	dB	-	3.3	5.0
Amplitude ripple (1551 ~ 1614MHz)	dB	-	1.2	2.8
VSWR (1551 ~ 1614MHz)	-	-	1.8	2.7
Attenuation (Reference level from 0dB)				
10 ~ 1480MHz	dB	40	53	-
1710 ~ 3000MHz	dB	40	50	-
Temperature coefficient of frequency	ppm/k	-	-36	-

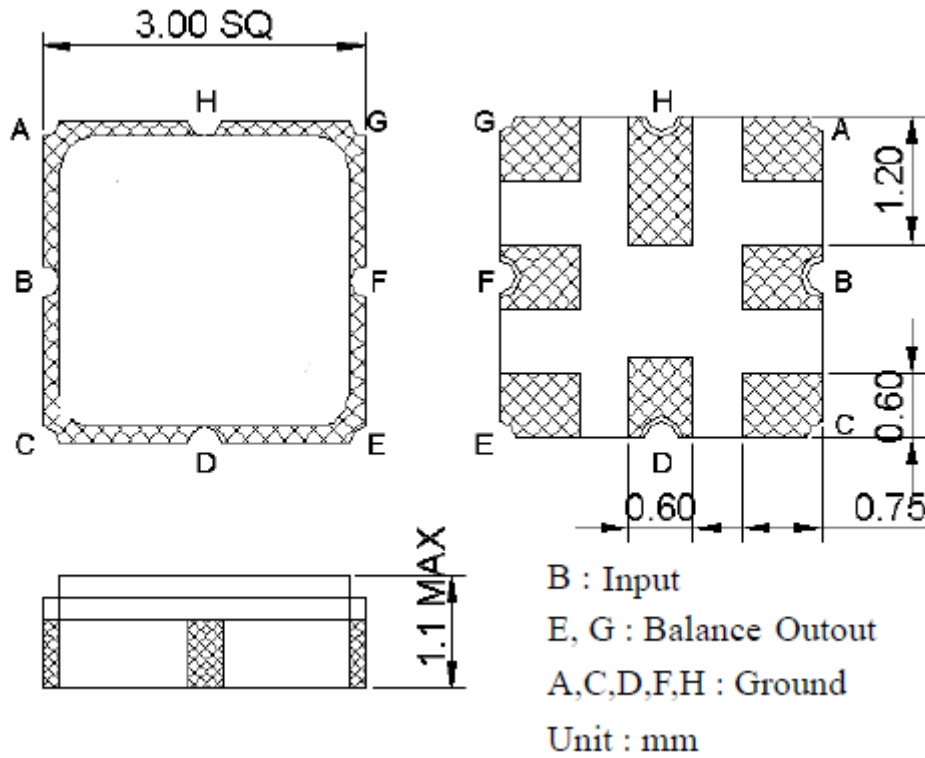
C. MEASUREMENT CIRCUIT:



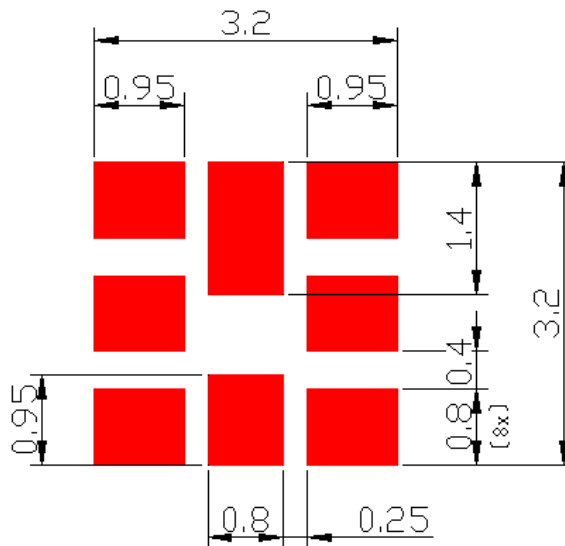
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D. OUTLINE DRAWING:



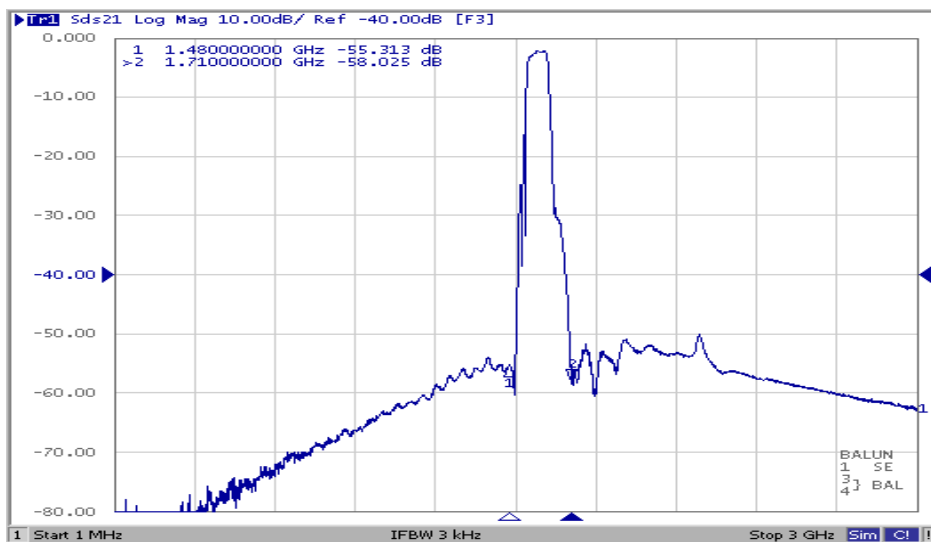
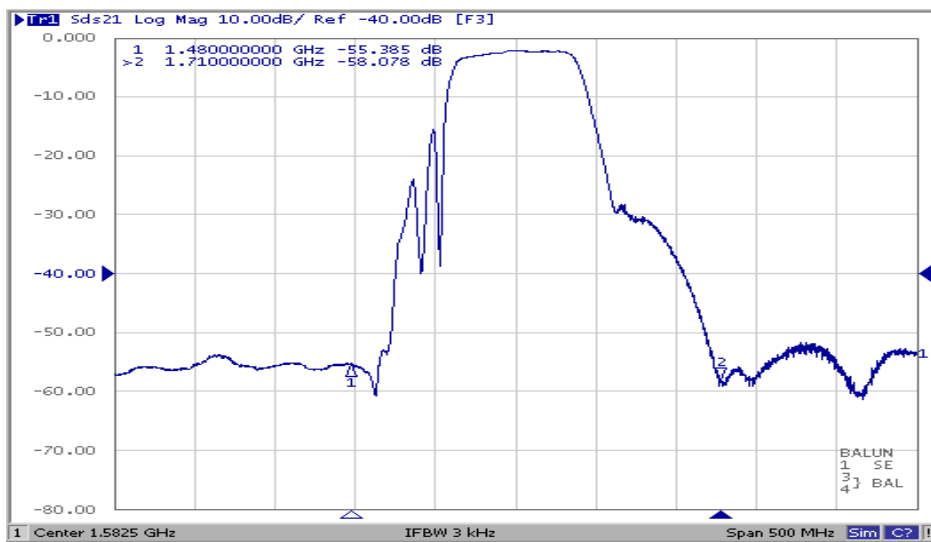
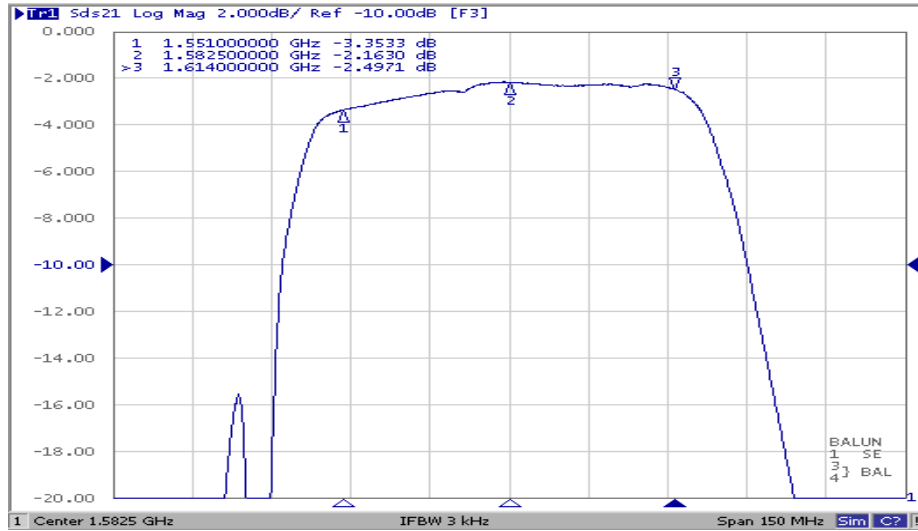
E. PCB FOOTPRINT:



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F. FREQUENCY CHARACTERISTICS:

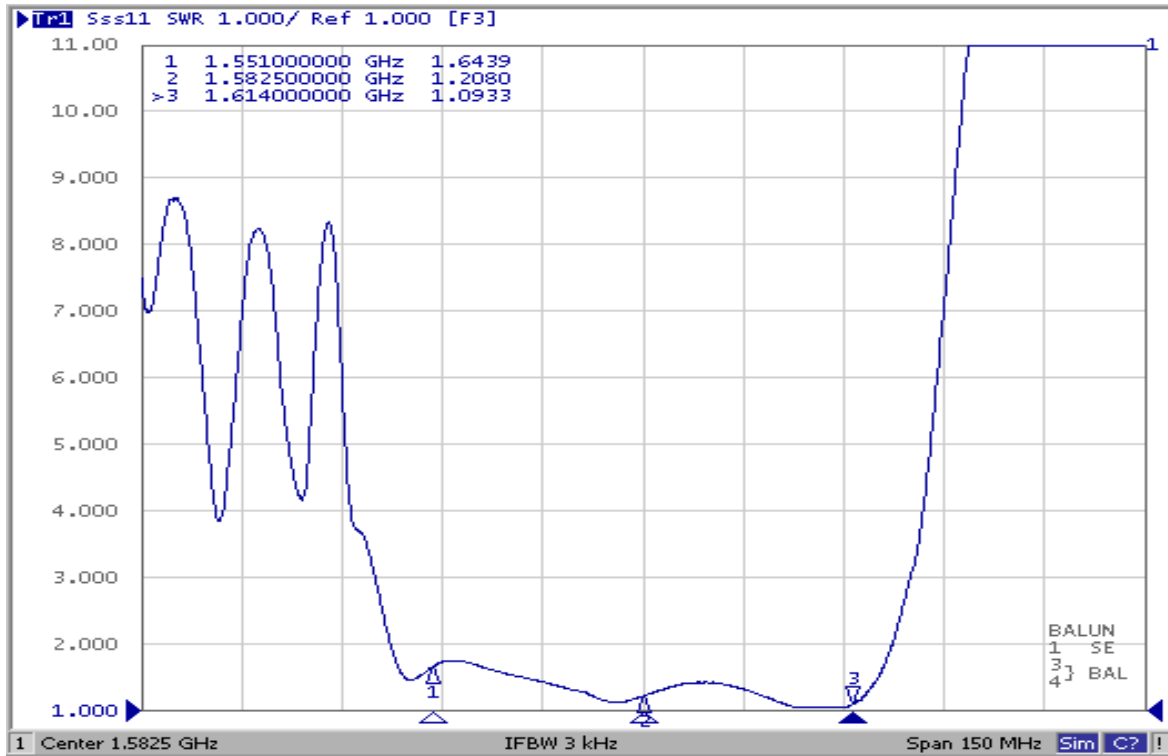


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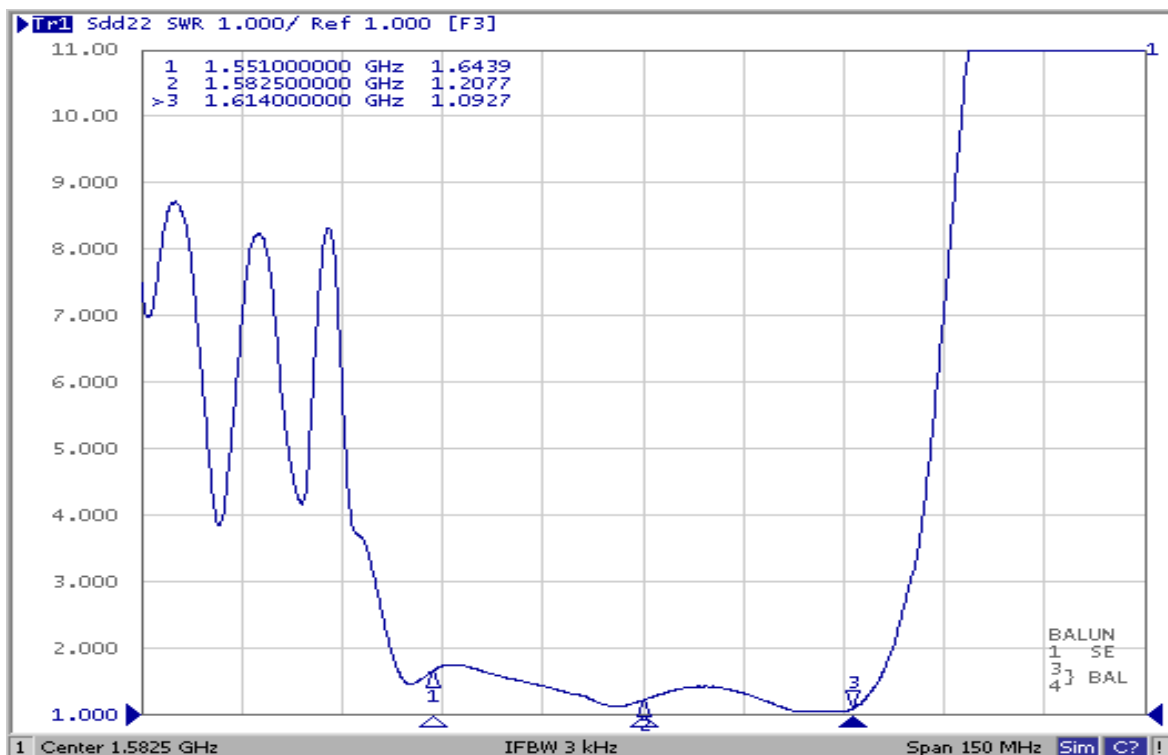
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Reflection Functions

S11



S22

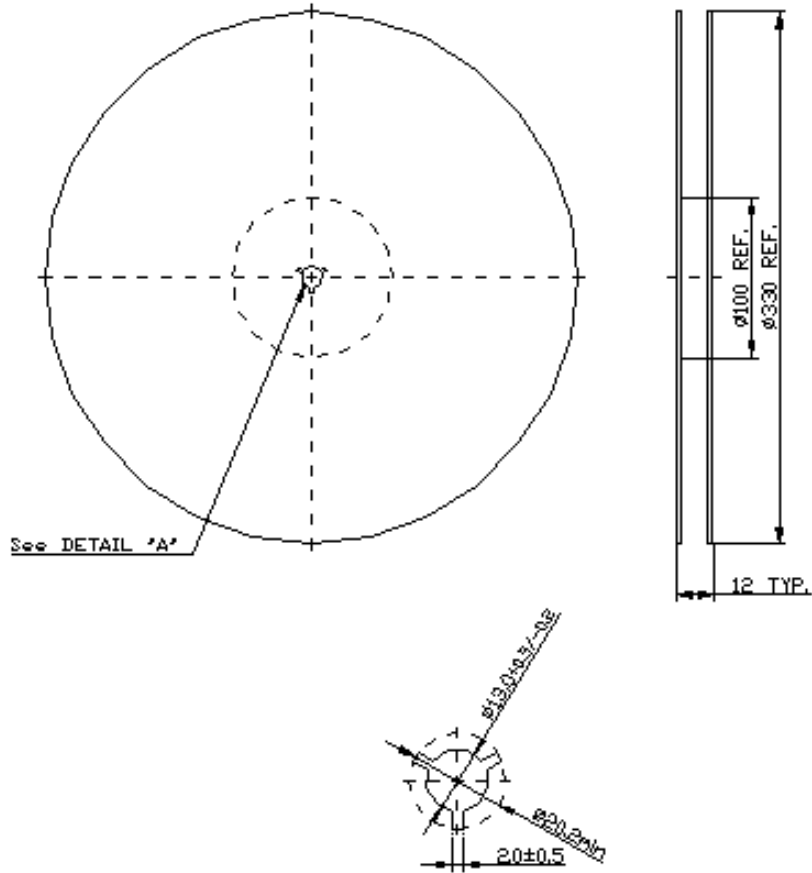


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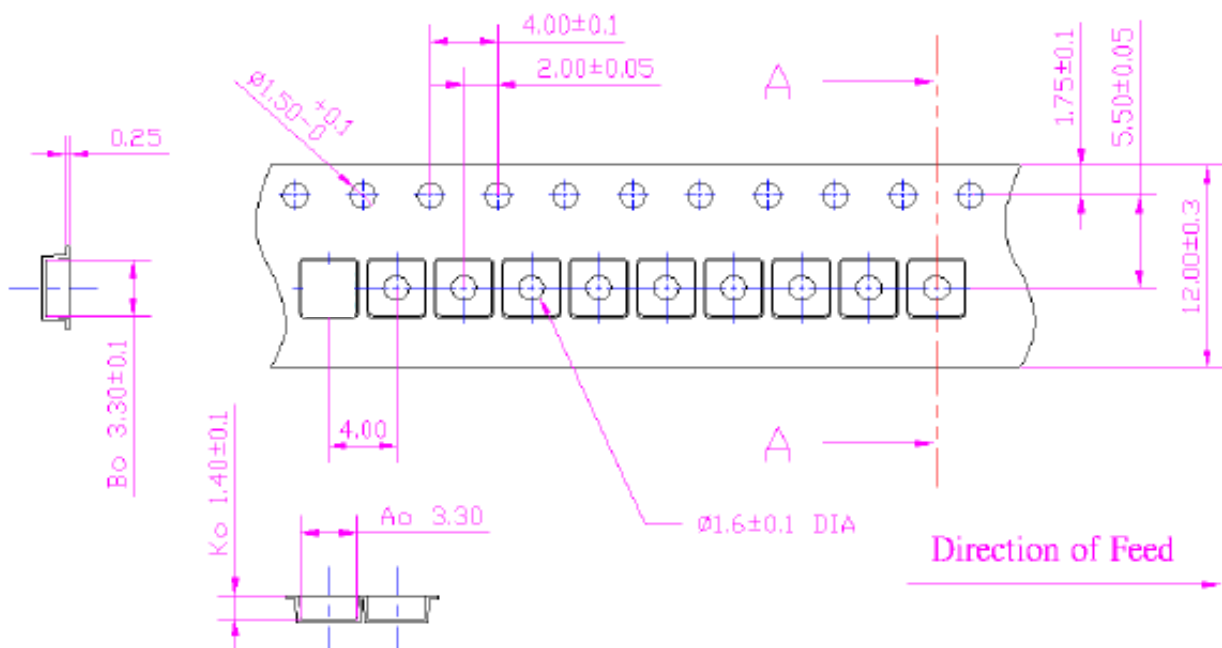
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G. PACKING:

1. Reel Dimension



2. Tape Dimension



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H. RECOMMENDED REFLOW PROFILE:

1. Preheating shall be fixed at 150 ~ 180°C for 60 ~ 90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50 ~ 80 seconds and at 260°C +0/-5°C peak (20 ~ 40 sec).
4. Time: 2 times.

