

SAW Filter 1268.520MHz
Part No: MP09181

Model: TA2210A
Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

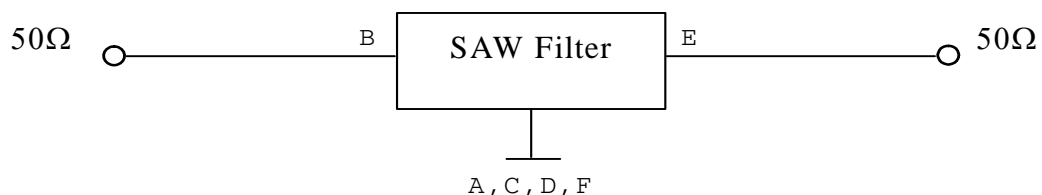
1. Input Power Level: 10dBm
2. DC voltage: 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.
Center Frequency Fc	MHz	-	1268.52	-
Insertion Loss (1258.29 ~ 1278.75MHz) IL	dB	-	3.0	4.5
Amplitude ripple (1258.29 ~ 1278.75MHz)	dB	-	0.9	2.4
Bandwidth @2dB	MHz	20.46	29.5	-
VSWR (1258.29 ~ 1278.75MHz)	-	-	1.8	2.5
Attenuation (Reference level from 0dB)				
1227.52MHz	dB	25	46	-
1309.52MHz	dB	50	72	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-

C. MEASUREMENT CIRCUIT:

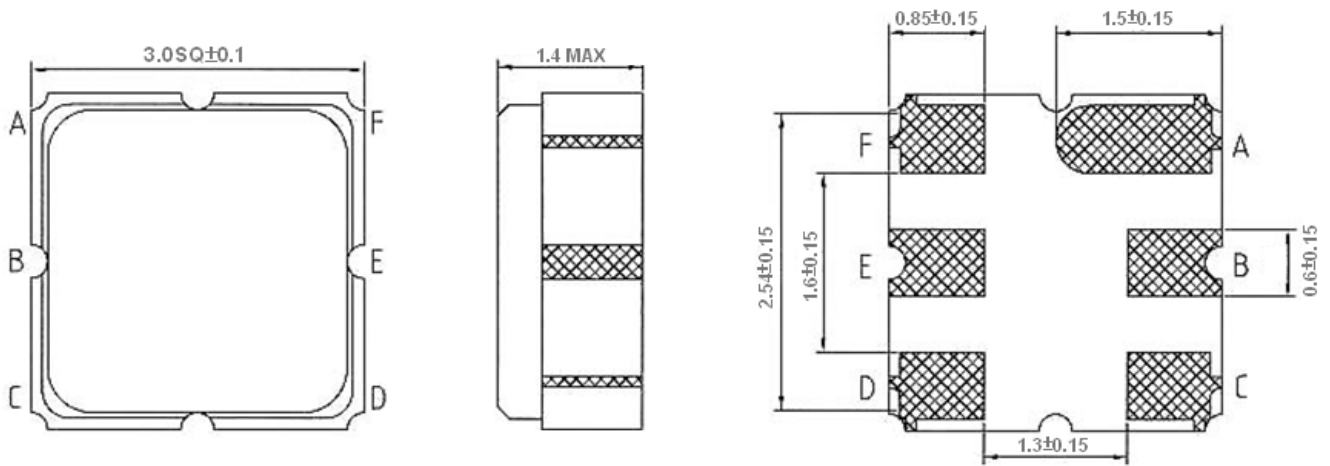
HP Network analyzer



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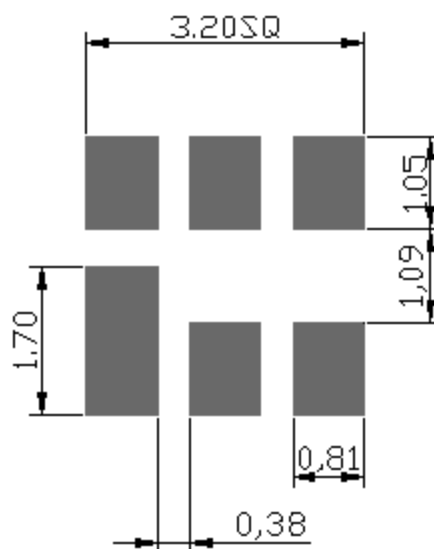
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D. OUTLINE DRAWING:



B: Input
E: Output
A, C, D, F: Ground
Unit: mm

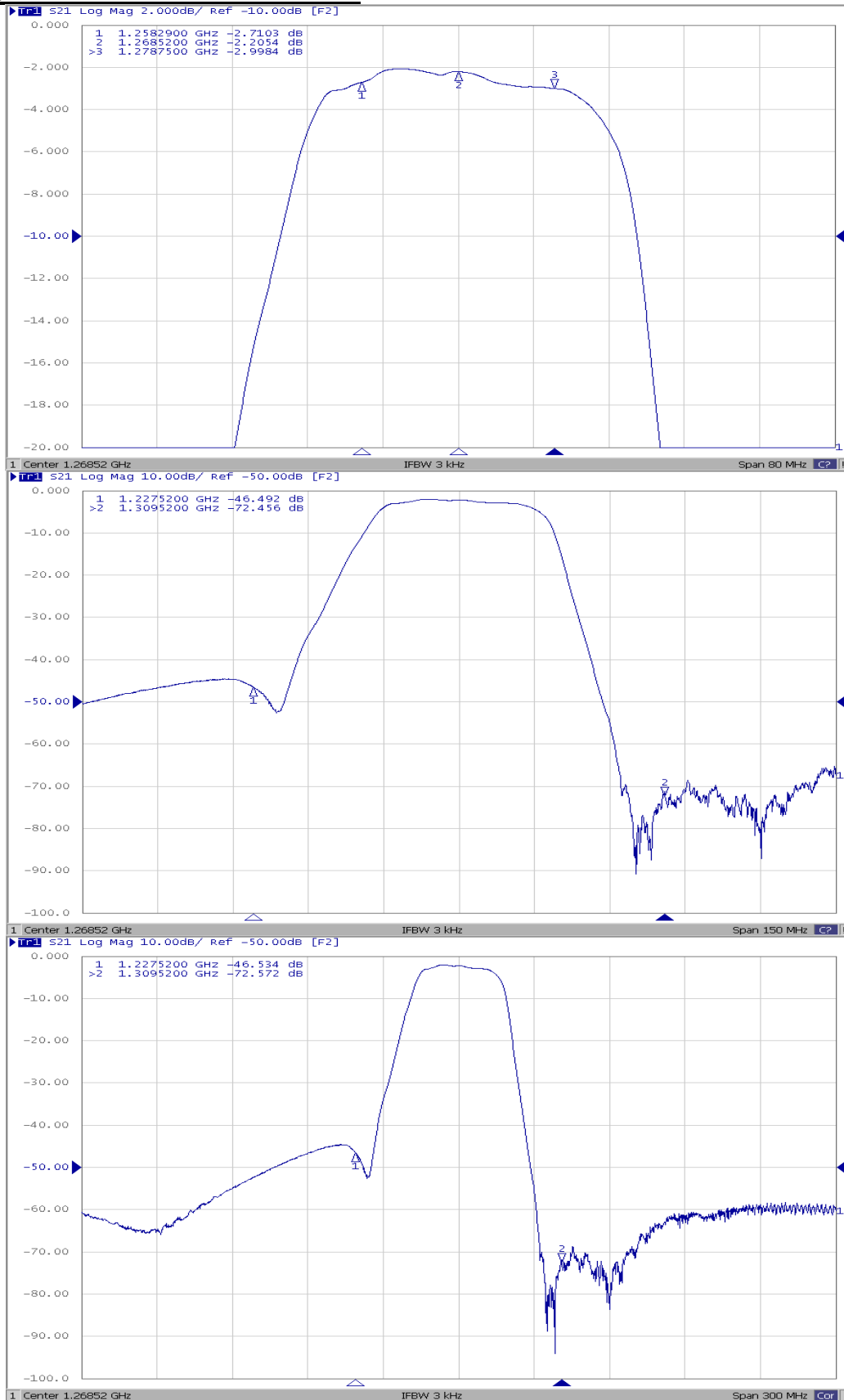
E. PCB FOOTPRINT:



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F. FREQUENCY CHARACTERISTICS:

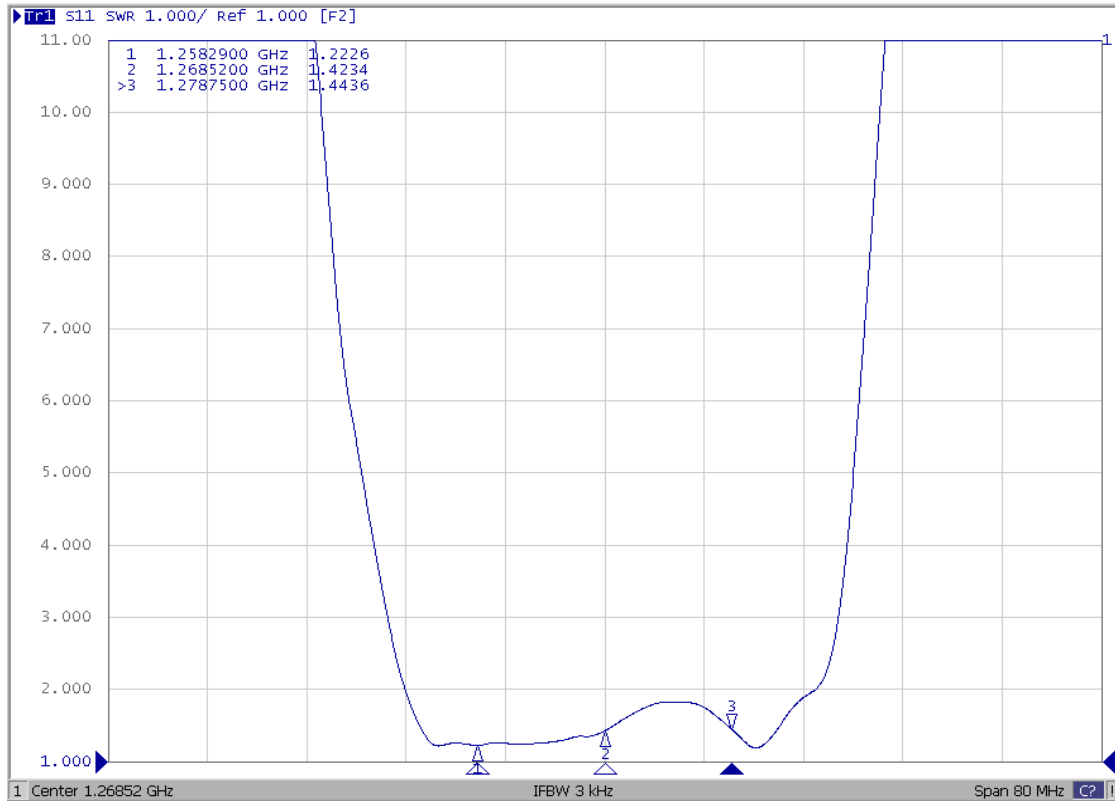


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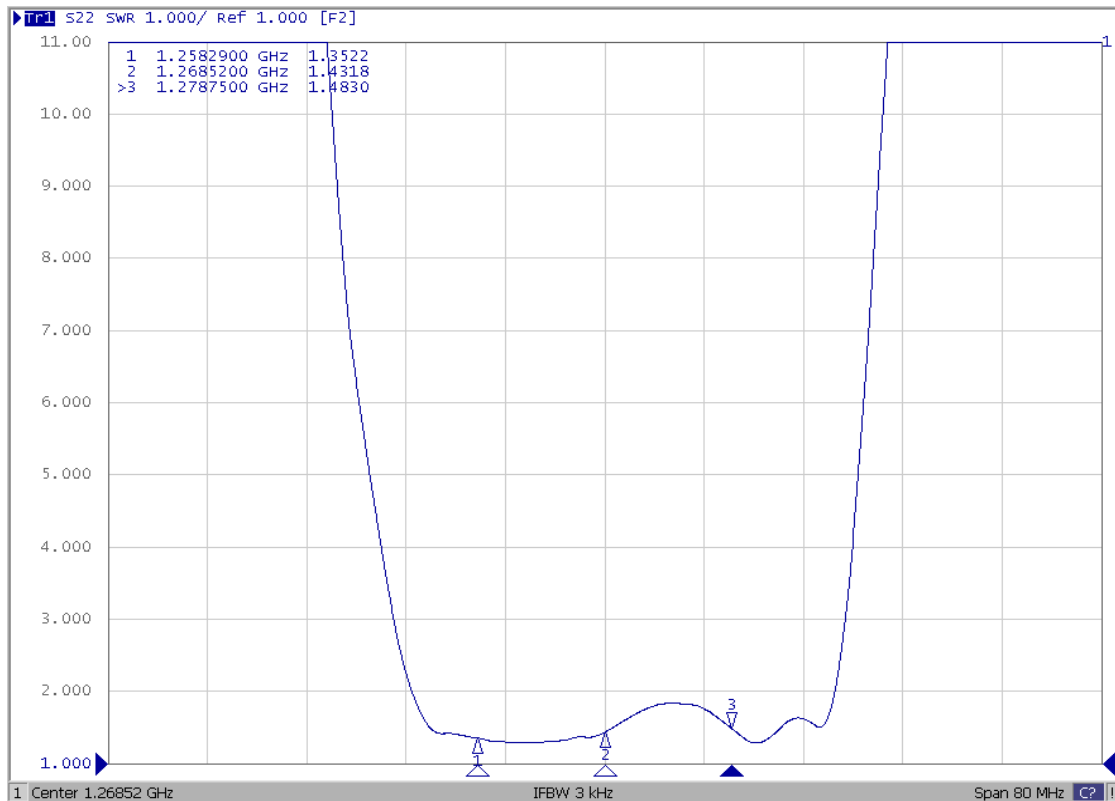
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Reflection Functions

S11



S22

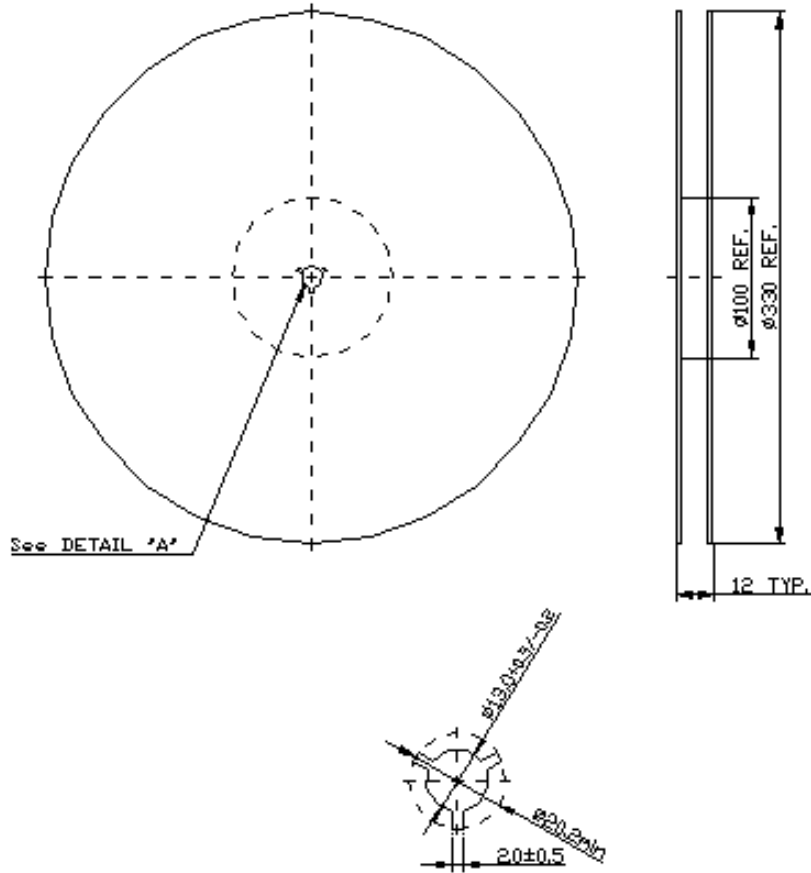


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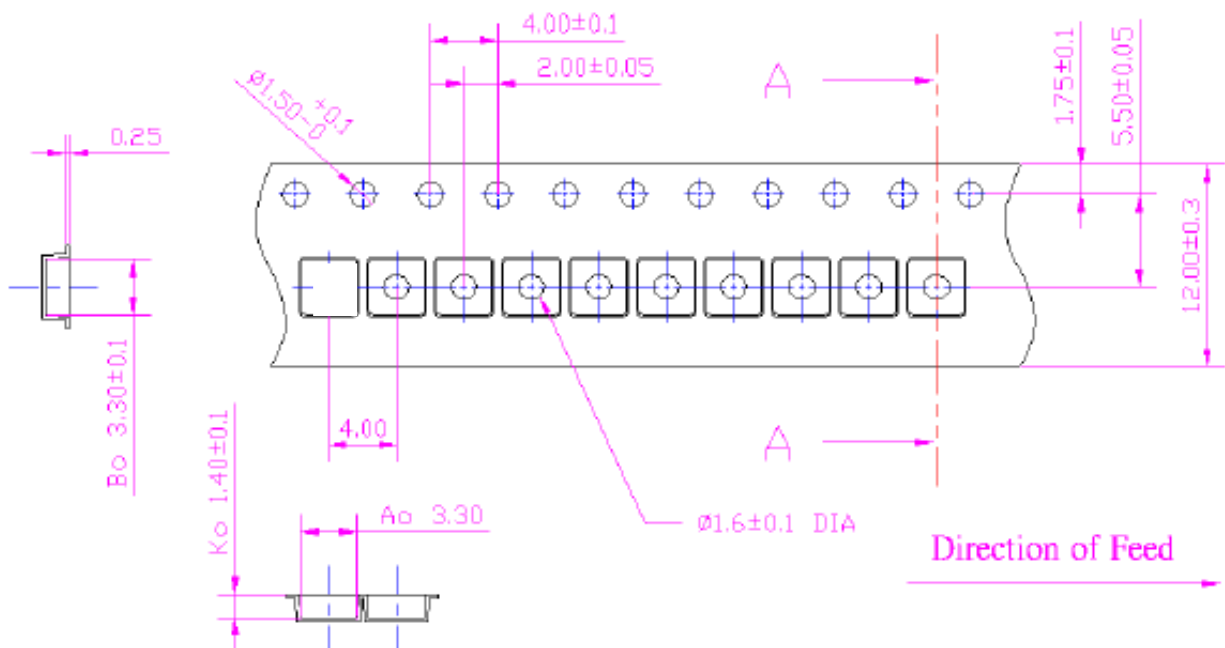
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G. PACKING:

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.

