

SAW Filter 921.50MHz
Part No: MP07357

Model: TA1164A
Rev No: 2

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

1. Input Power Level: +10dBm
2. DC Voltage: 3V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

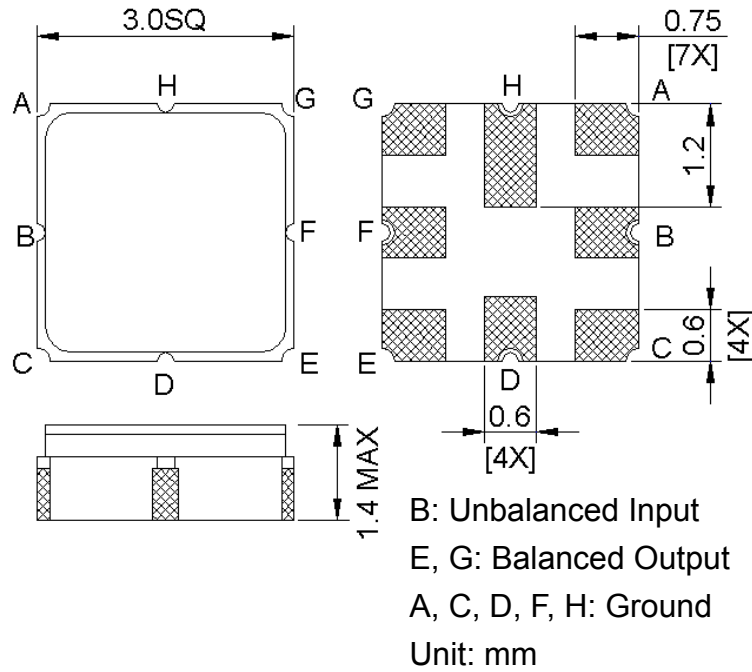
B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	921.5	-	-
Insertion Loss (918 ~ 925MHz) IL	dB	-	2.3	3.5	-
Amplitude Ripple (918 ~ 925MHz)	dB	-	0.4	2	-
I/O VSWR (918 ~ 925MHz)		-	1.5	2.5	-
Output amplitude balance (S31/S21)	dB	-2.5	-0.5~1.8	2.5	-
Output phase balance (f(S31)-f(S21))+180°	deg	-20	-8~-15	20	-
Attenuation (Reference level from 0dB)					
10 ~ 800MHz	dB	40	62	-	-
800 ~ 880MHz	dB	30	42	-	-
880 ~ 900MHz	dB	20	23	-	-
940 ~ 960MHz	dB	10	31	-	-
960 ~ 1000MHz	dB	20	32	-	-
1000 ~ 1100MHz	dB	30	55	-	-
1100 ~ 2000MHz	dB	40	65	-	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-	-

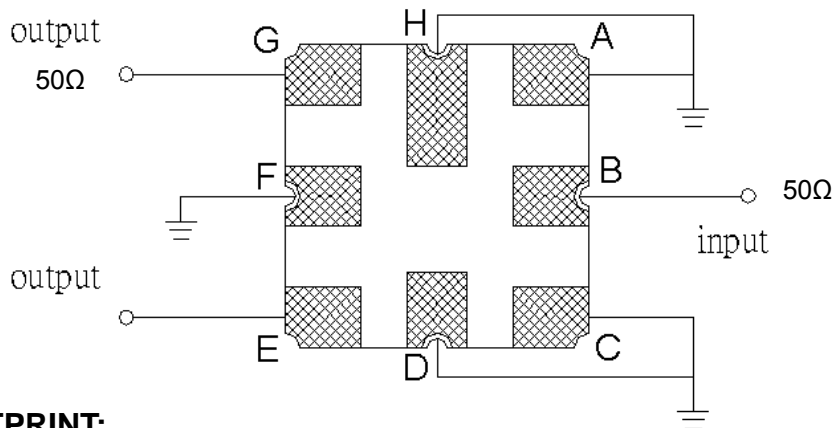
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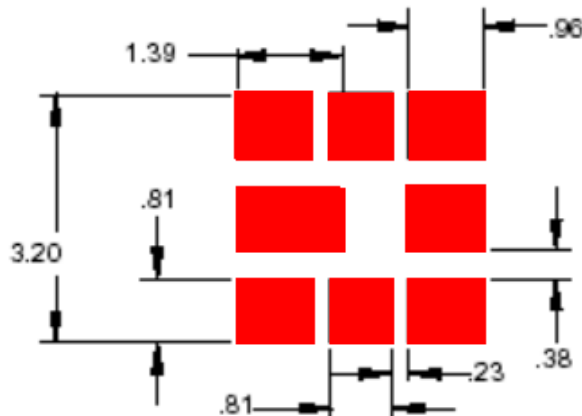
C. OUTLINE DRAWING:



D. MEASUREMENT CIRCUIT:



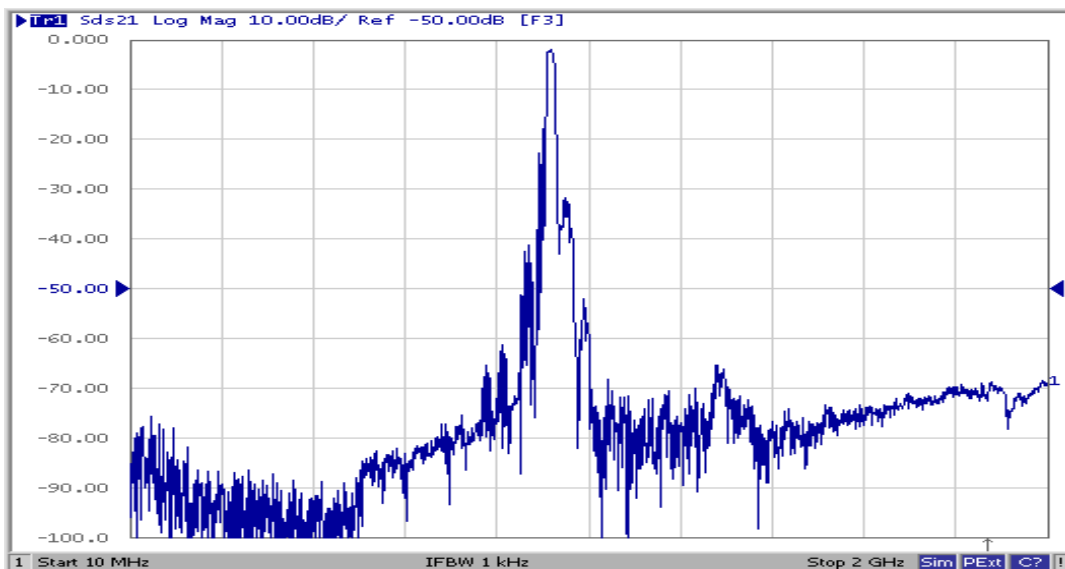
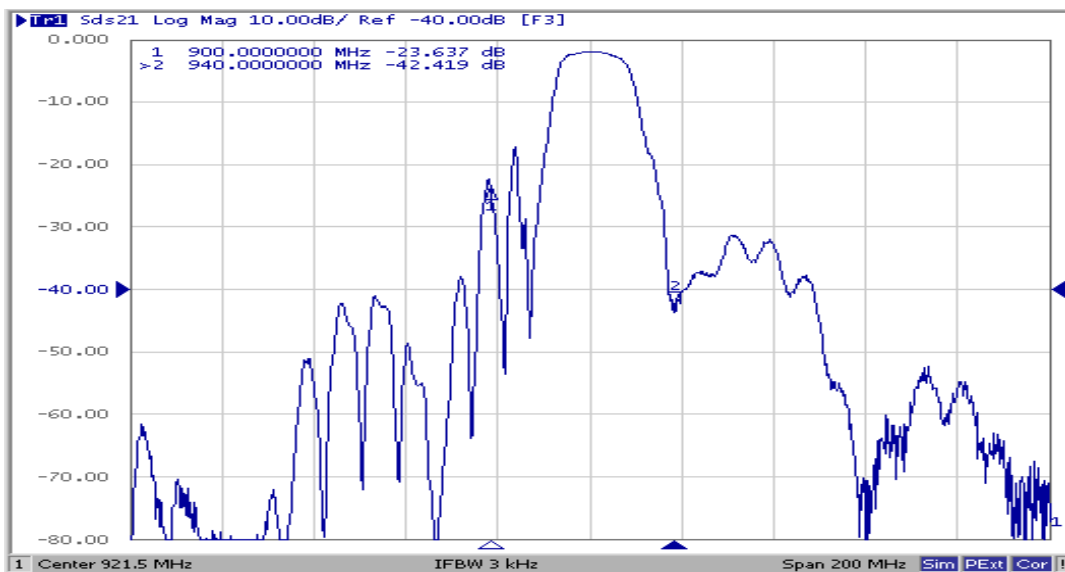
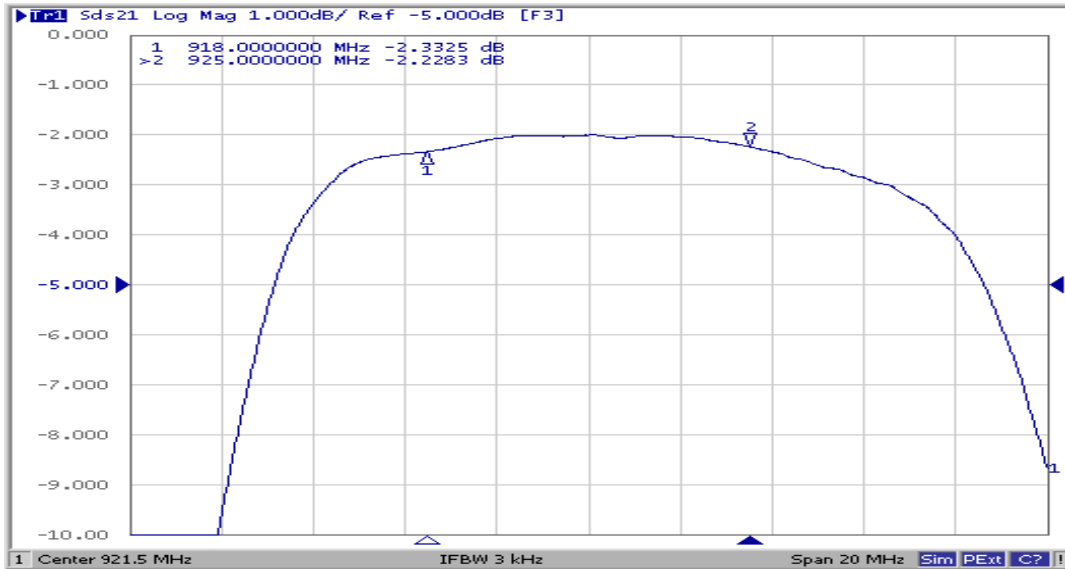
E. PCB FOOTPRINT:



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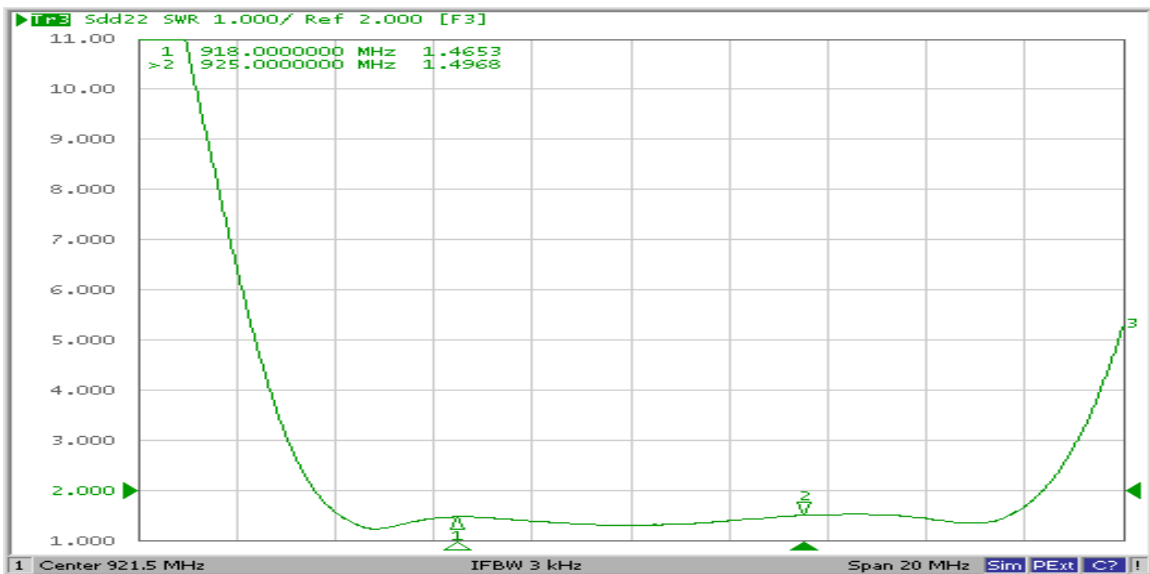
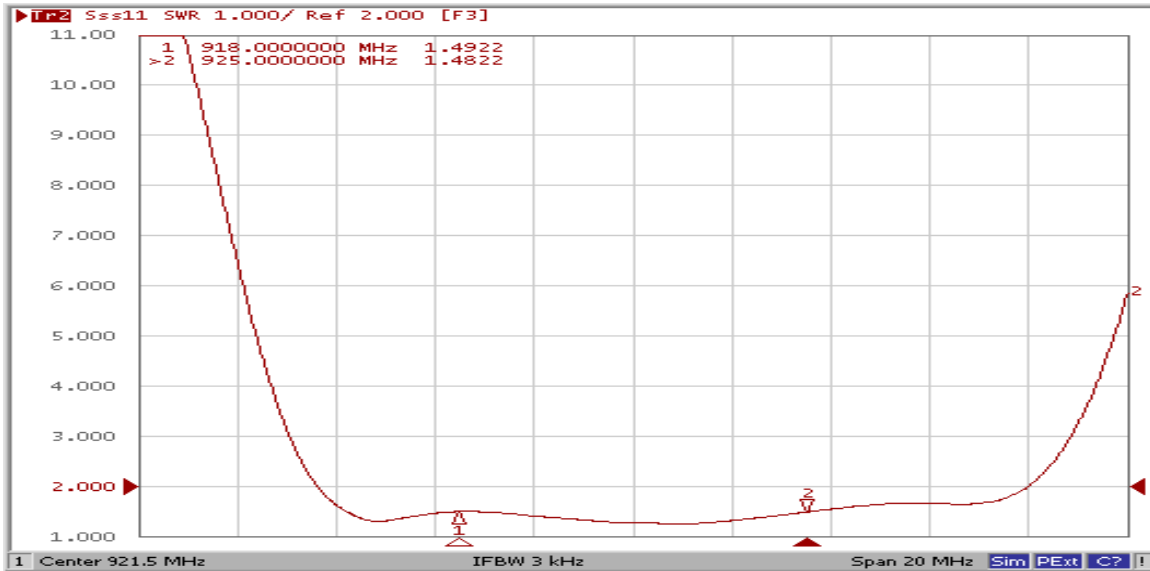
F. FREQUENCY CHARACTERISTICS:



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Reflection Functions

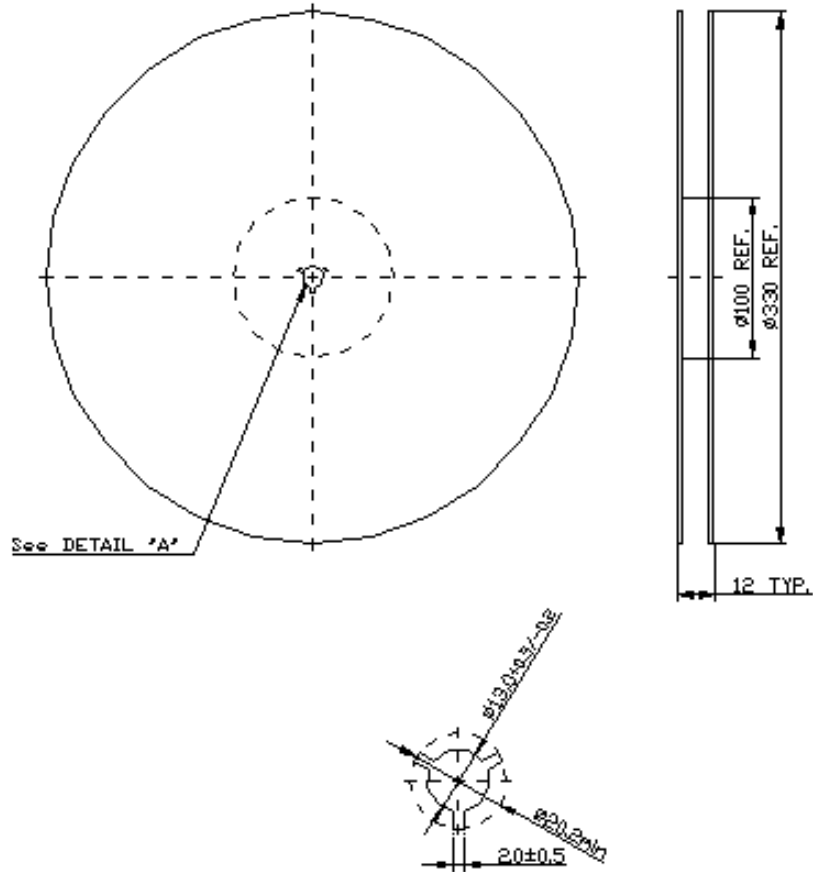


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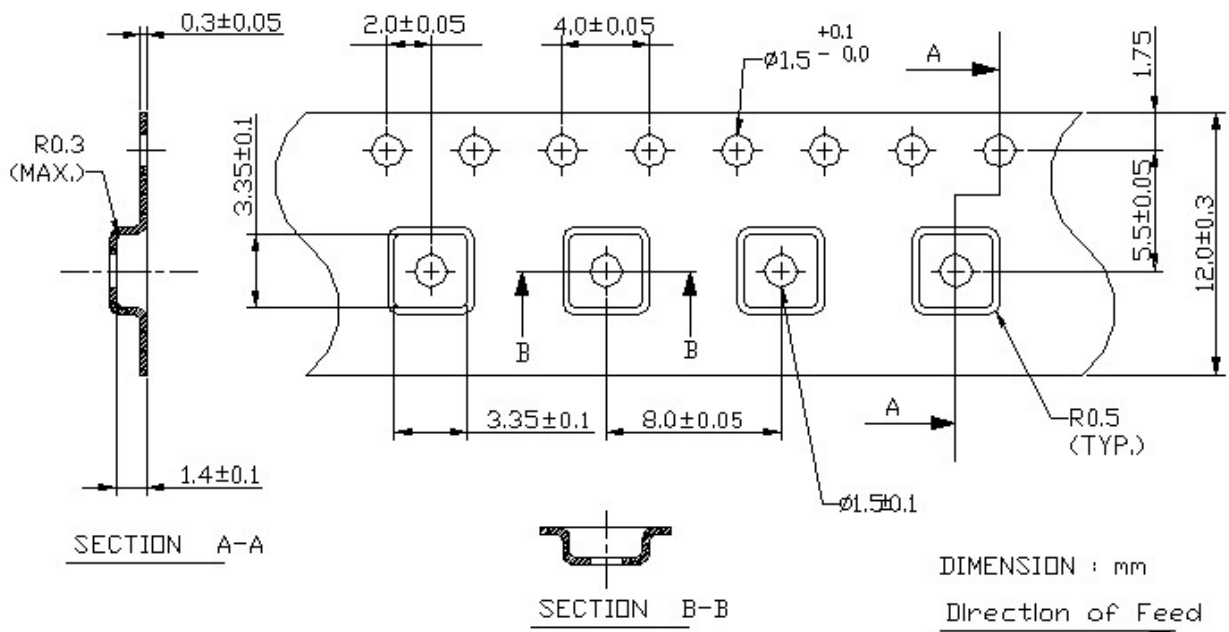
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G. PACKING:

1. Reel Dimension (Please refer to FR-75D10 for packing quantity)



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 245 ~ 260°C peak (min. 10 sec).
4. Time: 2 times.

