

SAW Filter 1575.50MHz

Model: TA0549A

Part No: MP06286

Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -55°C to +85°C
4. Storage Temperature: -55°C to +85°C

B. ELECTRICAL CHARACTERISTICS: (By 20°C)

1. Terminating source impedance (single ended): $Z_S = 50\Omega$
2. Terminating load impedance (single ended): $Z_L = 50\Omega$

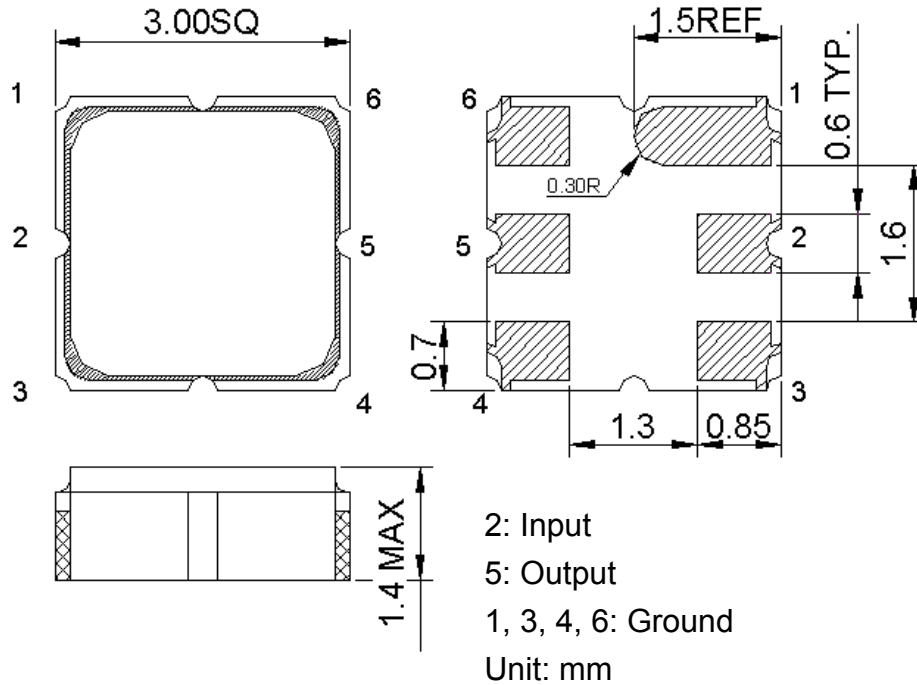
Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	1575.5	-	-
Min. Insertion Loss IL	dB	-	3	5	-
Amplitude Ripple (1569 ~ 1582MHz)	dB	-	0.8	1.2	-
Group Delay Ripple (1569 ~ 1582MHz)	ns	-	9	18	-
VSWR (1569 ~ 1582MHz)		-	2	2.2	-
Relative Attenuation (relative to 0dB)					
DC ~ 1525MHz	dB	35	50	-	-
1602 ~ 1616MHz	dB	20	43	-	-
1616 ~ 3000MHz	dB	35	43	-	-

Deviation of Center and Bounder Frequencies in temperature range from -55°C to +85°C by TCD = -35ppm / grad.

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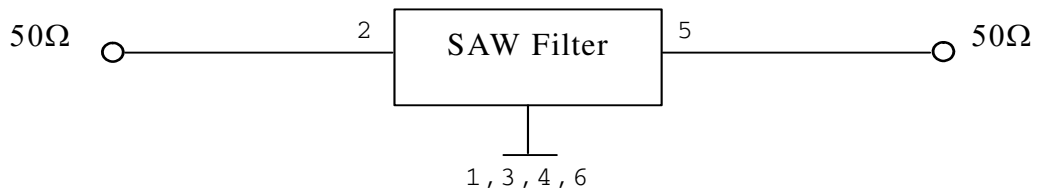
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C. OUTLINE DRAWING:

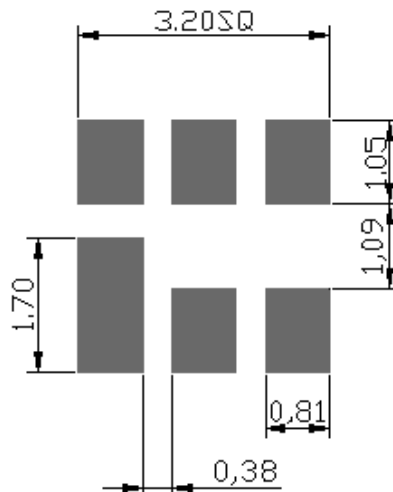


D. MEASUREMENT CIRCUIT:

HP Network analyzer



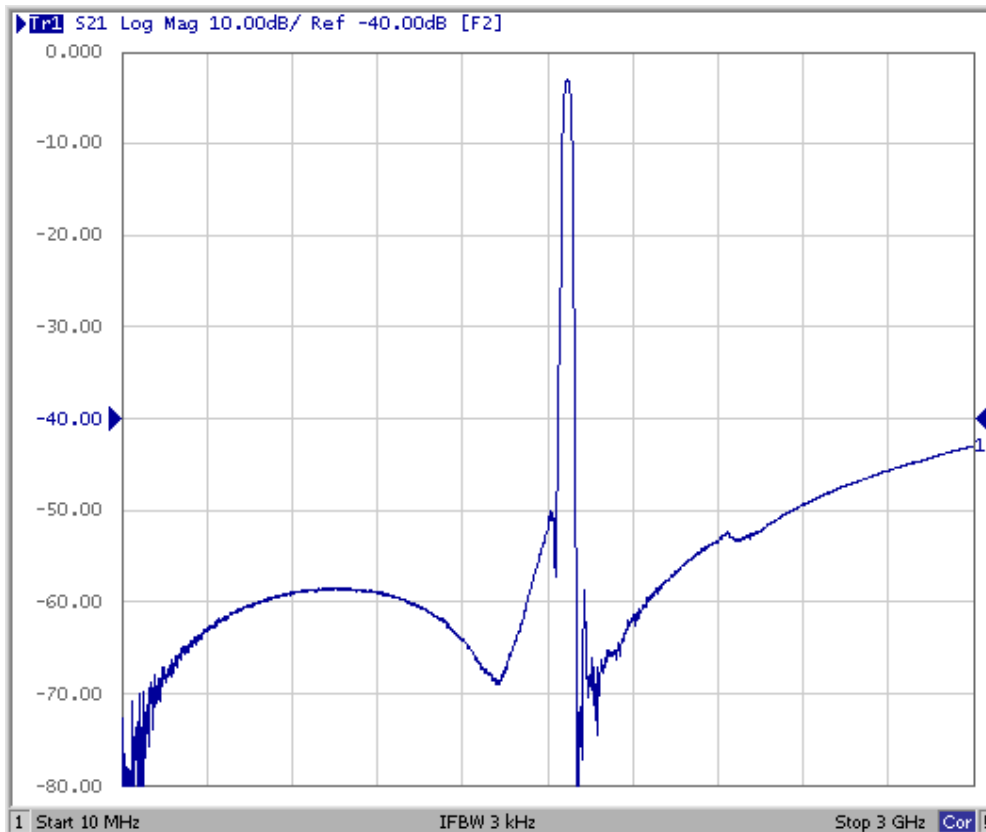
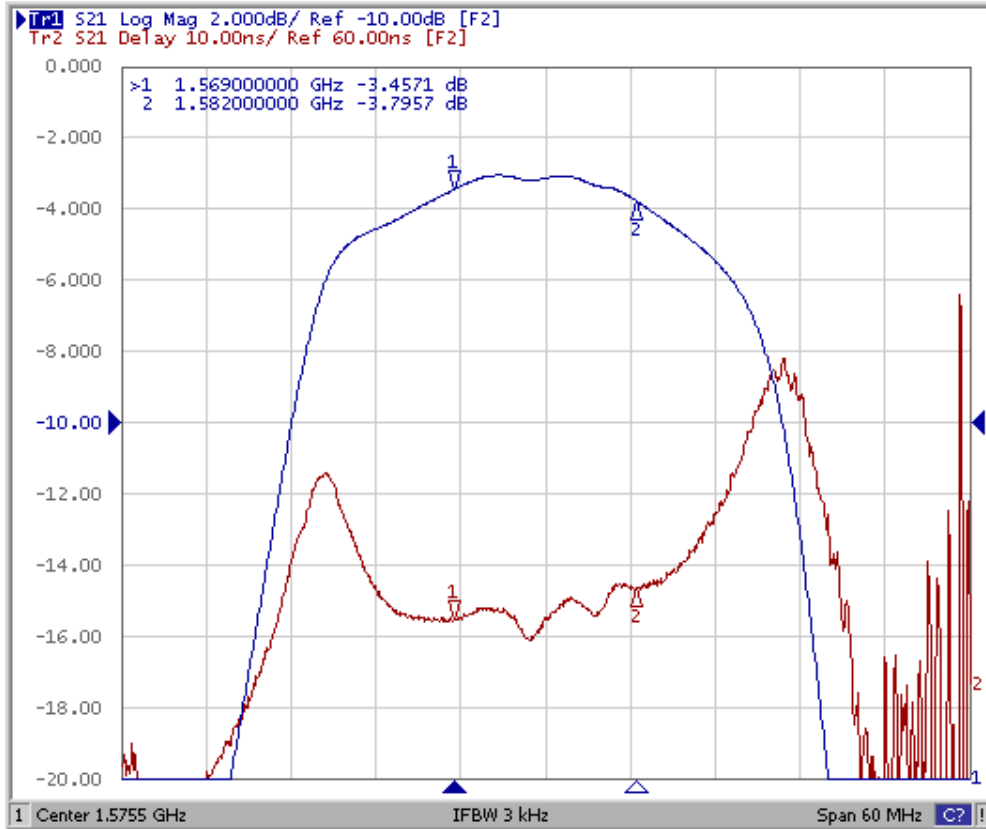
E. PCB FOOTPRINT:



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F. FREQUENCY CHARACTERISTICS:

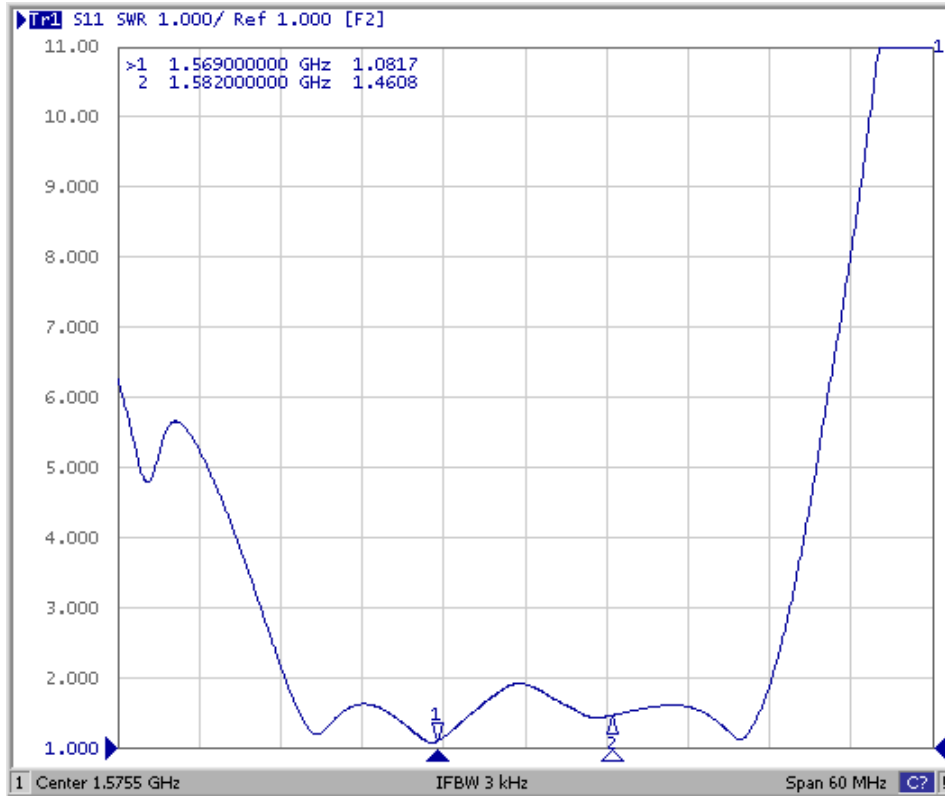


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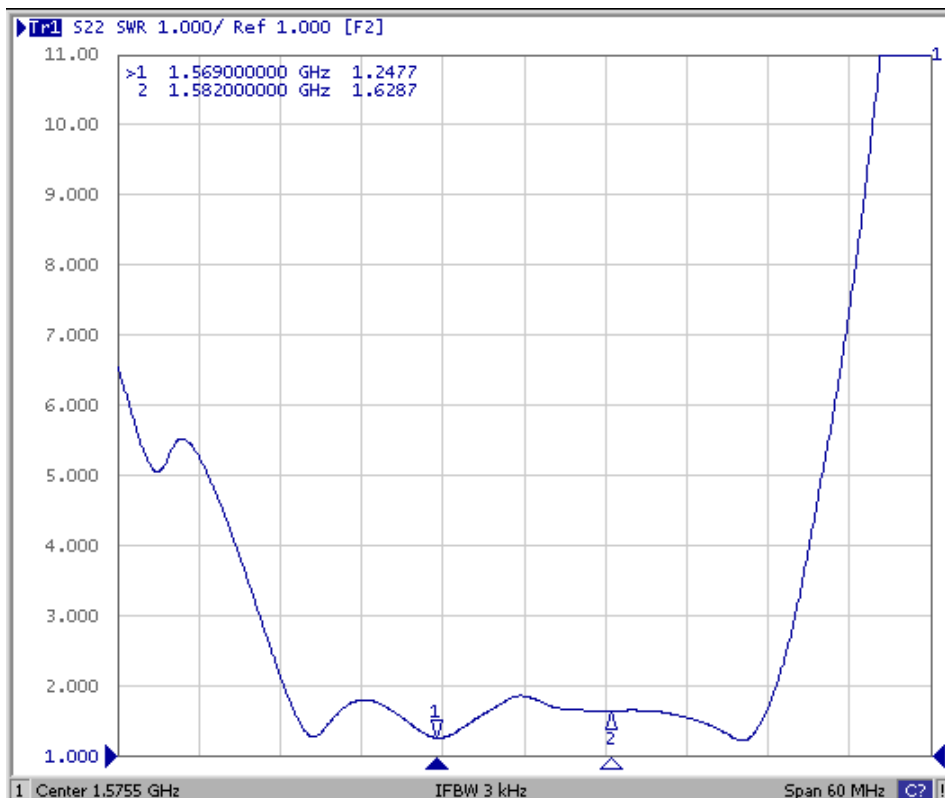
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Reflections Functions

S11 VSWR



S22 VSWR

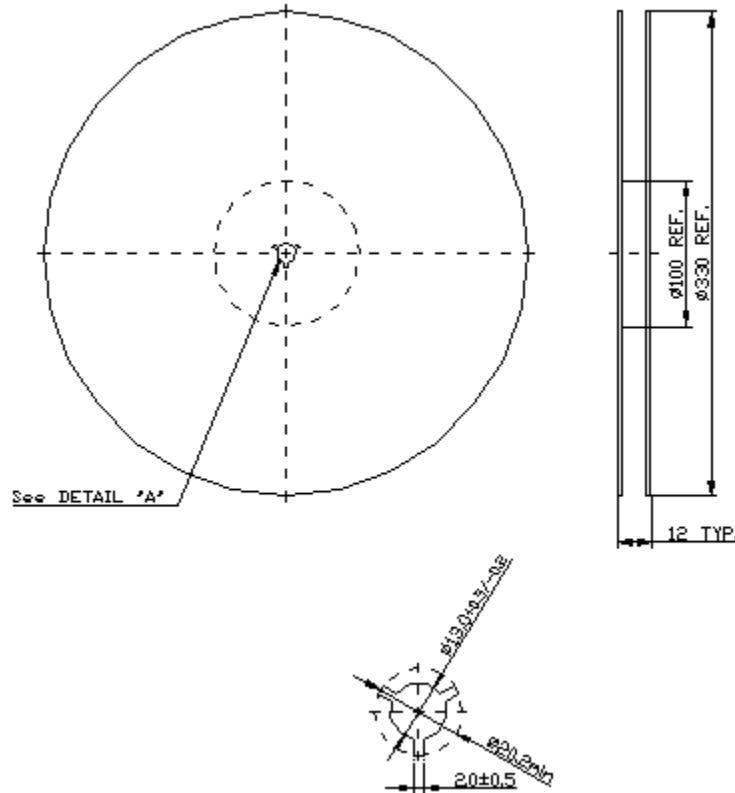


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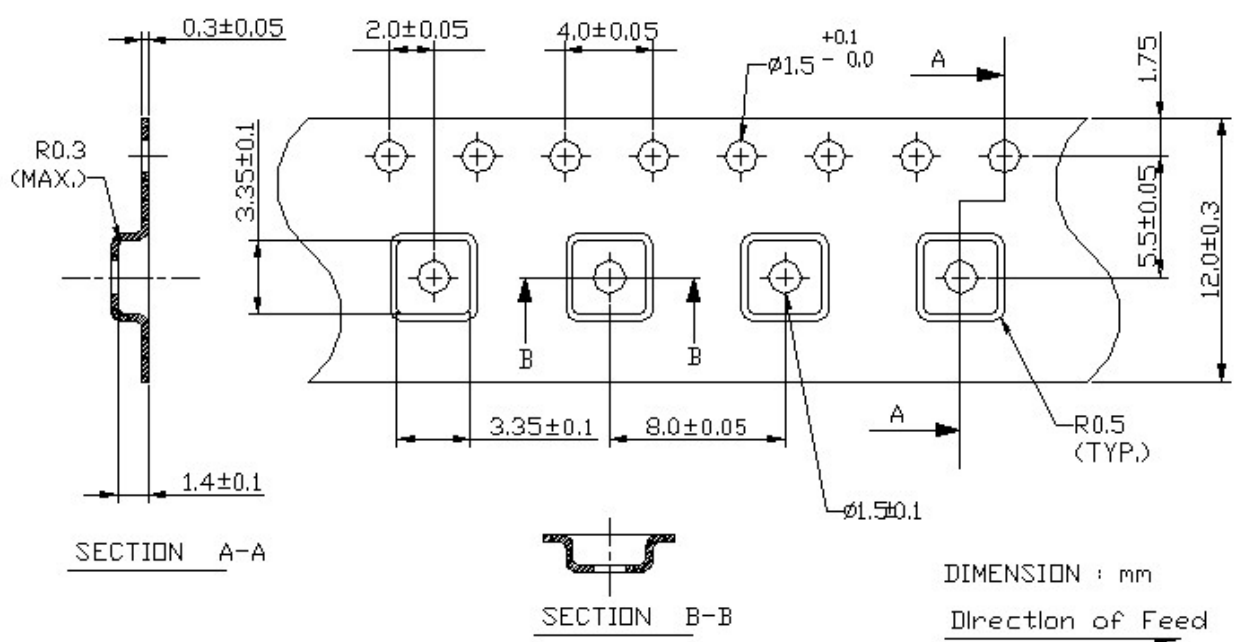
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G. PACKING:

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.

