

SAW Filter: 1680.0MHz
Part No: MP05284

Model: TA1579A
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:

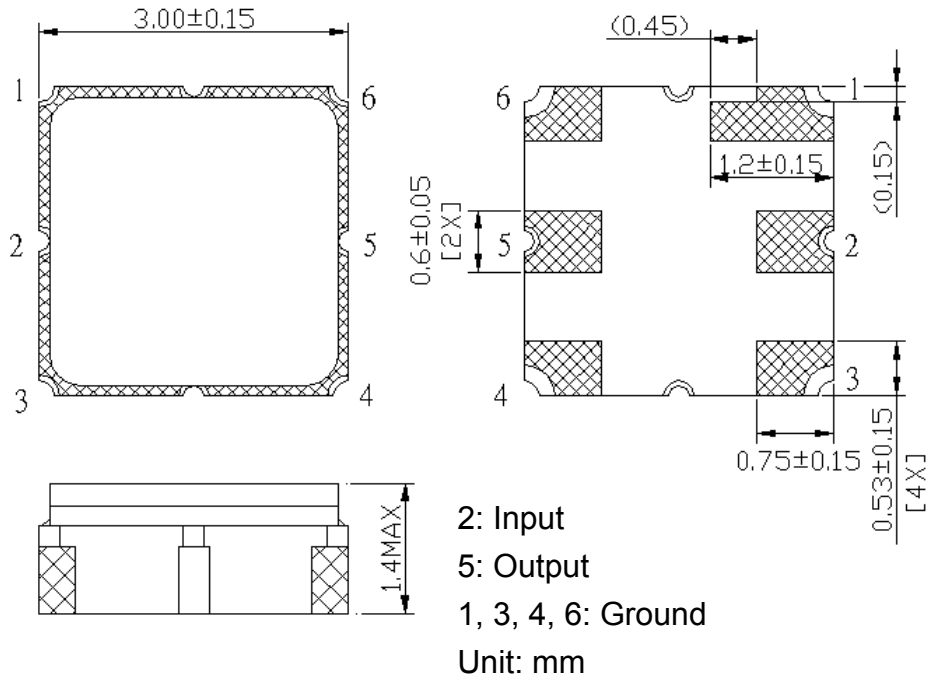
1. Terminating source impedance (single ended): $Z_S = 50\Omega$
2. Terminating load impedance (single ended): $Z_L = 50\Omega$

Item	Unit	Min.	Typ.	Max.	Note
Center frequency Fc	MHz	-	1680	-	-
Insertion Loss (1660 ~ 1700MHz) IL	dB	-	3.5	5	-
Bandwidth @ -2dB	MHz	-	69	-	-
Amplitude Ripple (1660 ~ 1700MHz)	dB	-	0.7	2	-
Group Delay Ripple (1660 ~ 1700MHz)	ns	-	7	25	-
VSWR (1660 ~ 1700MHz)		-	2	2.5	-
Attenuation (reference level from 0dB)					
1000 ~ 1550 MHz	dB	40	53	-	-
Fc - 150 MHz	dB	40	53	-	-
Fc + 150 MHz	dB	40	45	-	-
1800 ~ 2100 MHz	dB	40	45	-	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-	-

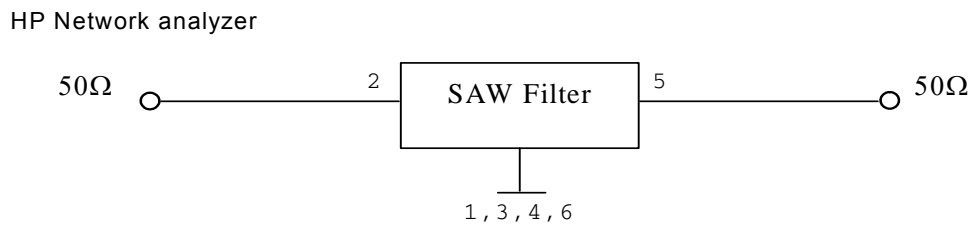
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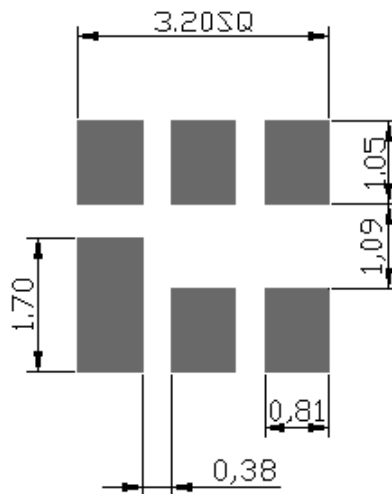
C. OUTLINE DRAWING:



D. MEASUREMENT CIRCUIT:



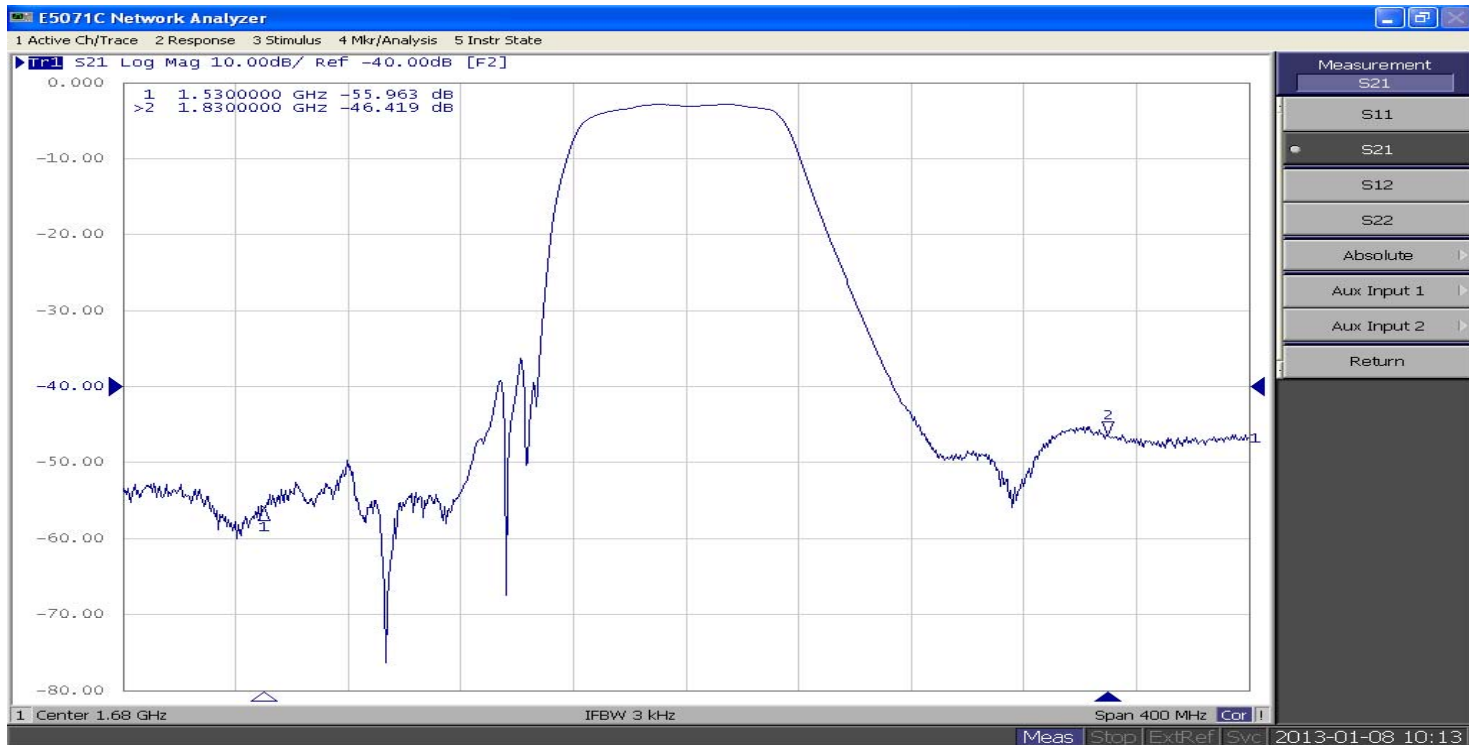
E. PCB FOOTPRINT:



SAW Filter: 1680.0MHz
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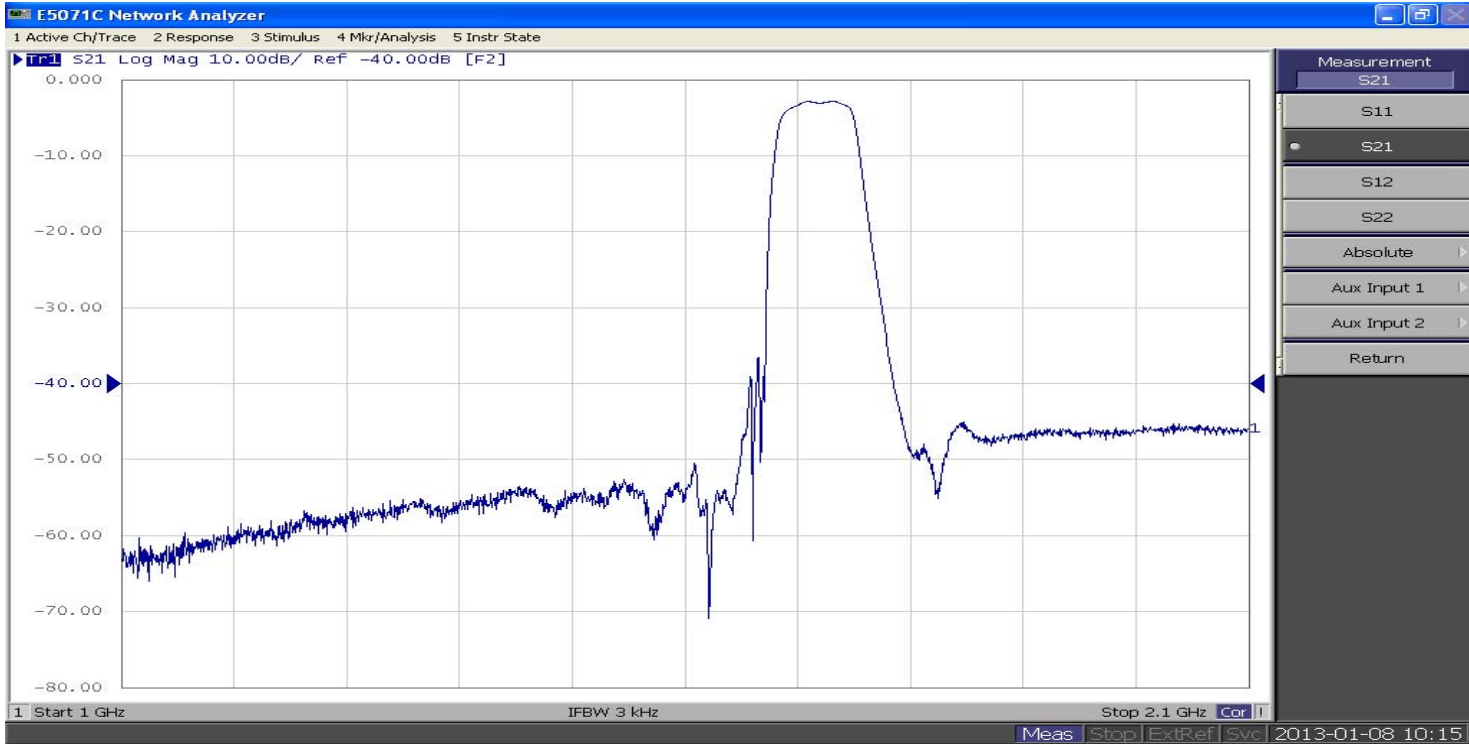
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Rev No: 1

F. FREQUENCY CHARACTERISTICS:



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Rev No: 1

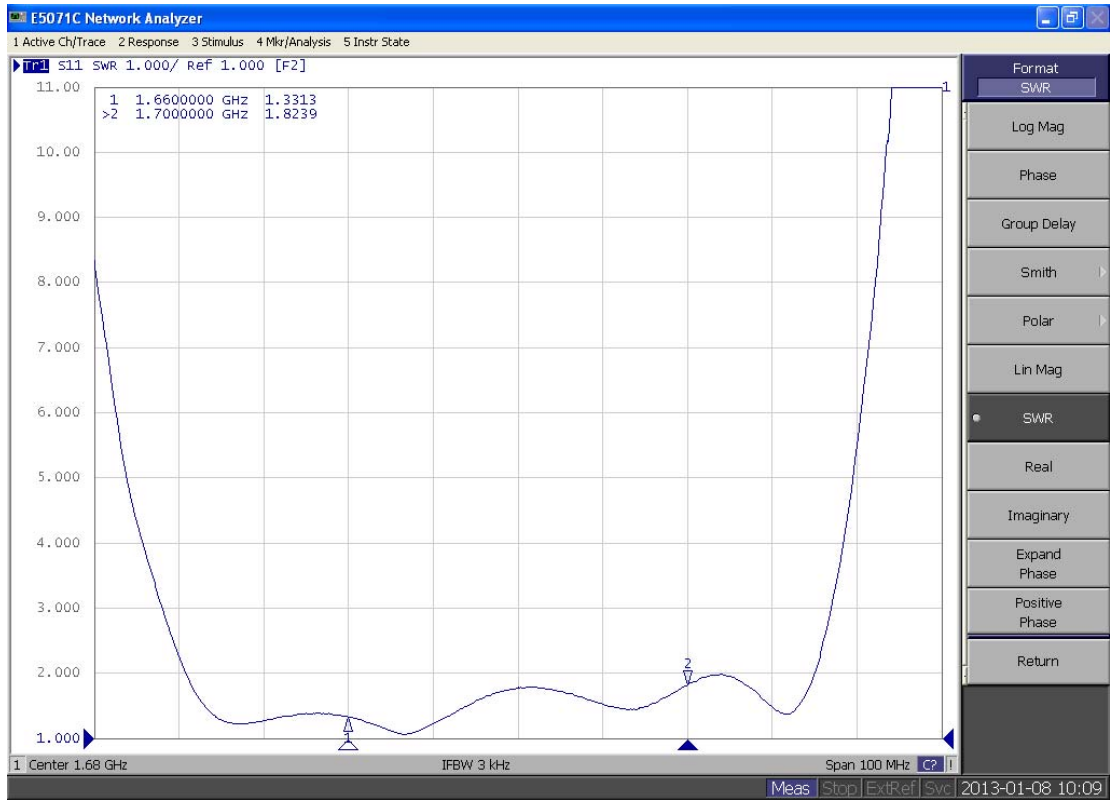


SAW Filter: 1680.0MHz
Part No: MP05284

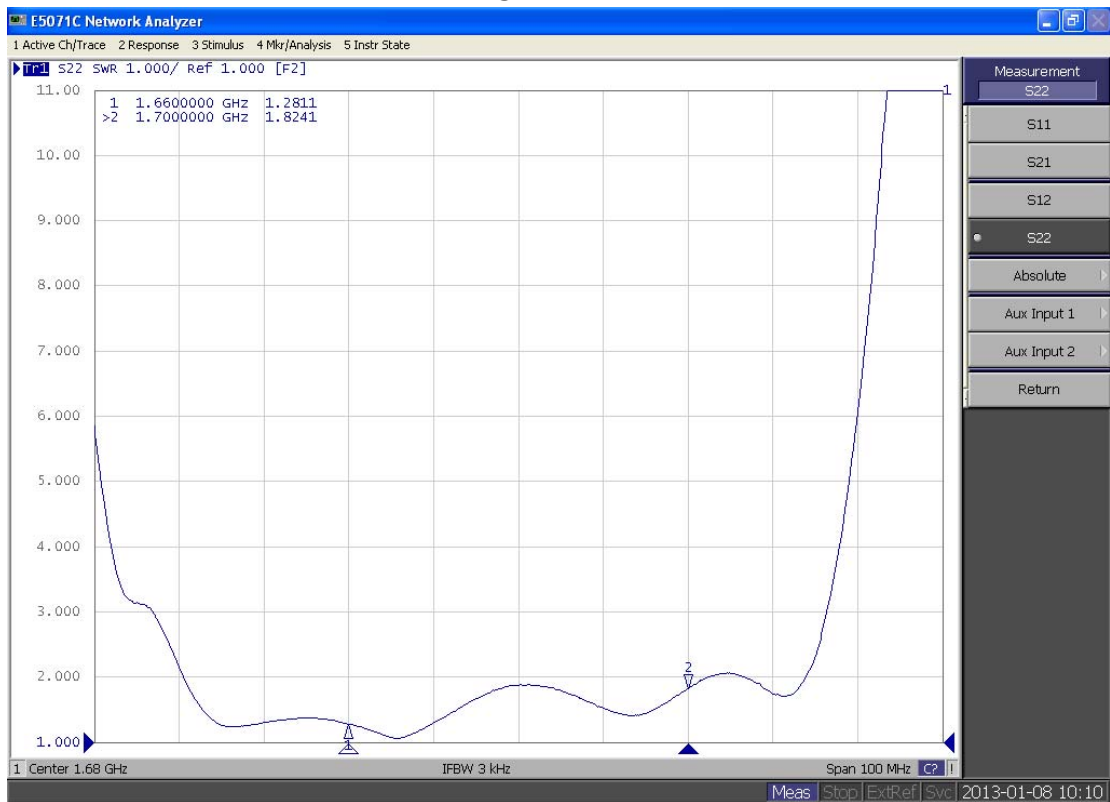
Model: TA1579A
Rev No: 1

Reflection Functions

S11



S22



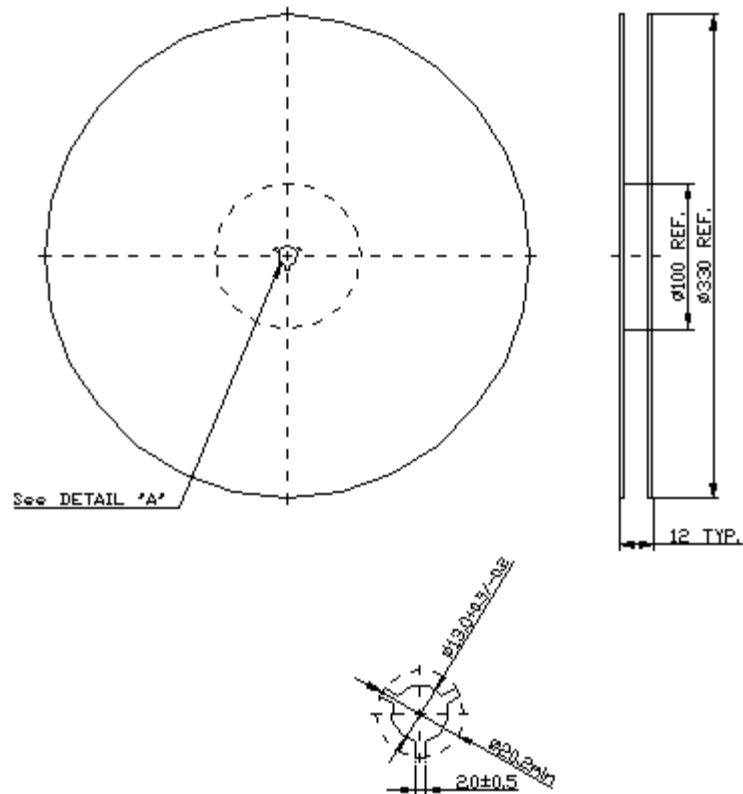
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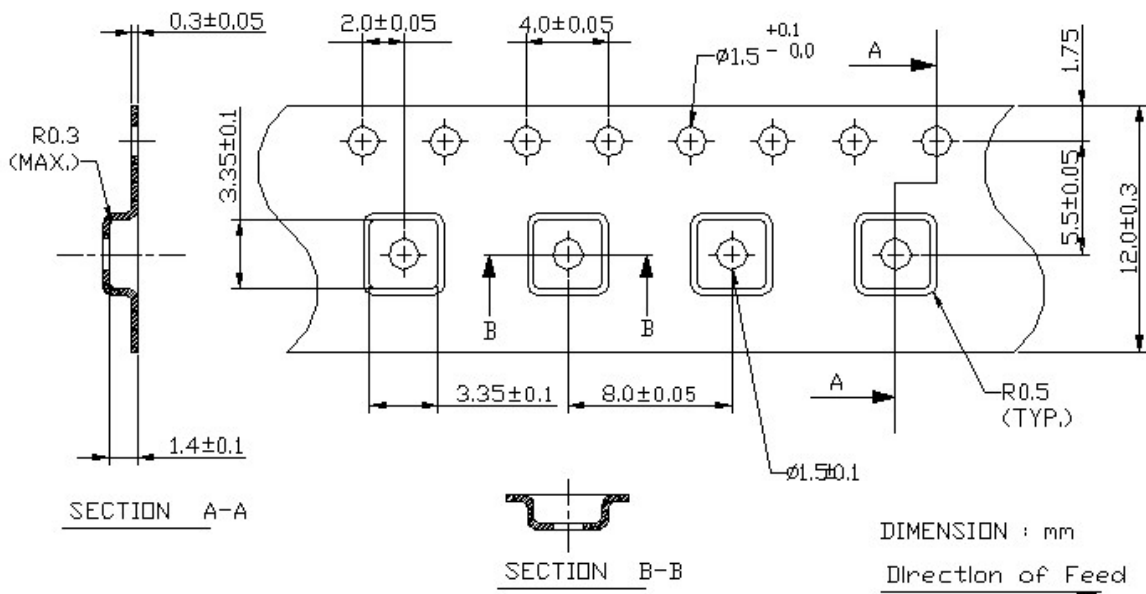
G. PACKING:

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.

