

SAW Filter 810.0MHz
Part No: MP09799

Model: TA1585A
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:

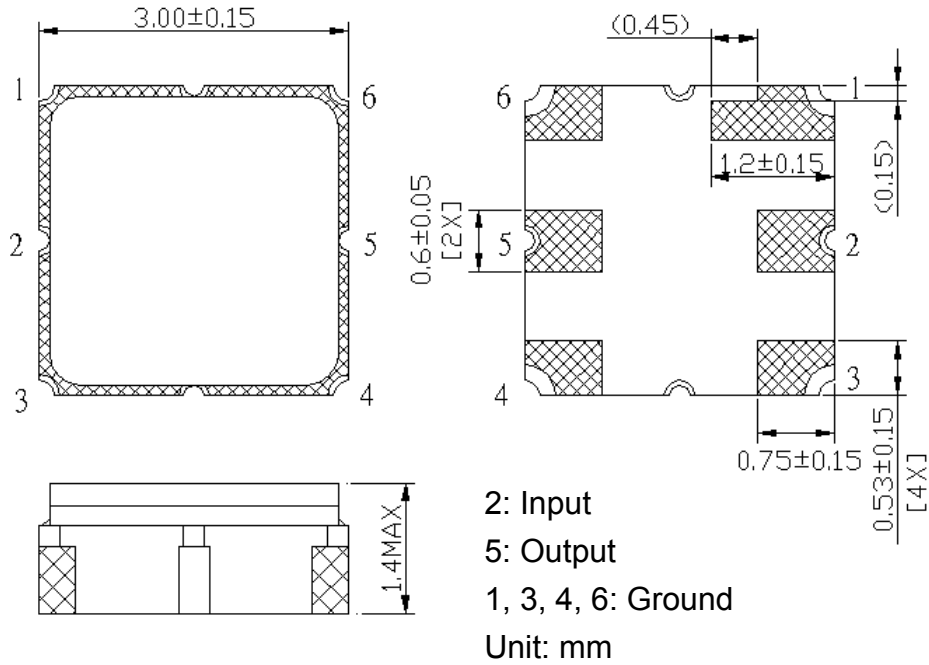
1. Terminating source impedance (single ended): $Z_S = 50\Omega$
2. Terminating load impedance (single ended): $Z_L = 50\Omega$

Item	Unit	Min.	Typ.	Max.	Note
Center frequency F_c	MHz	-	810	-	-
Insertion Loss (805 ~ 815MHz) IL	dB	-	2.3	4.3	-
Amplitude Ripple (805 ~ 815MHz)	dB	-	0.6	2	-
Group Delay Variation (805 ~ 815MHz)	ns	-	20	130	-
VSWR (805 ~ 815MHz)		-	1.75	2.5	-
Attenuation (reference level from 0dB)					
680 ~ 770MHz	dB	35	60	-	-
840MHz	dB	40	60	-	-
860MHz	dB	40	55	-	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-	-

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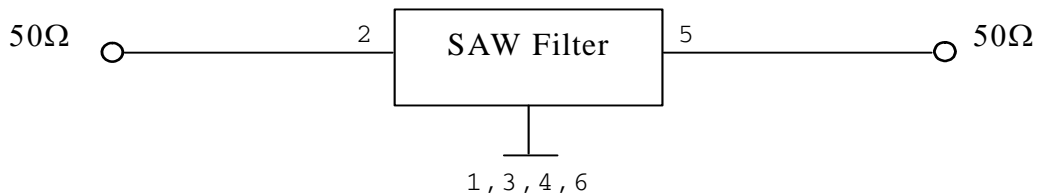
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C. OUTLINE DRAWING:

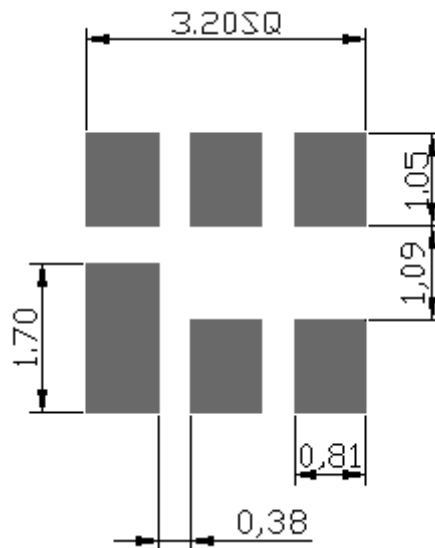


D. MEASUREMENT CIRCUIT:

HP Network analyzer



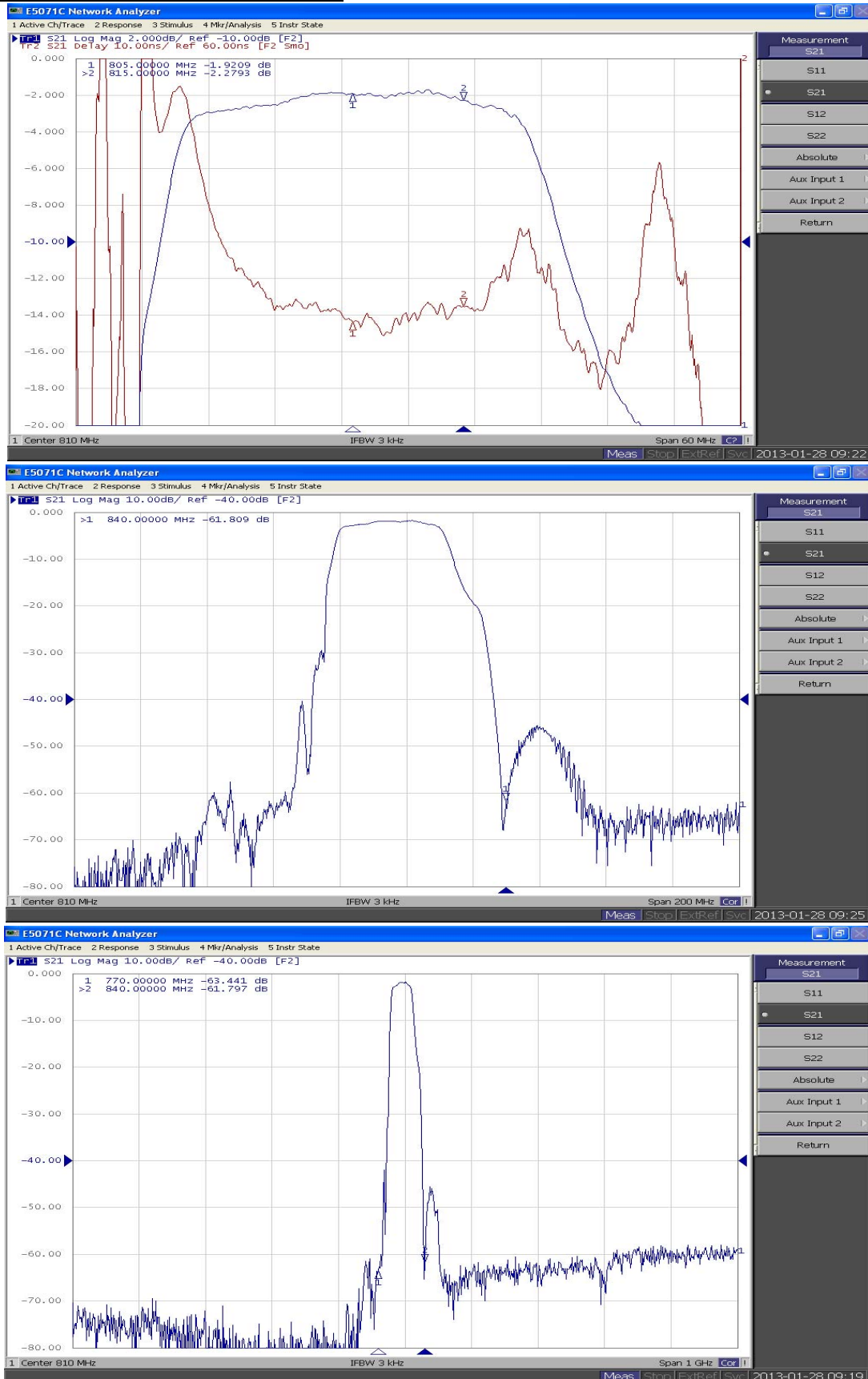
E. PCB FOOTPRINT:



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F. FREQUENCY CHARACTERISTICS:

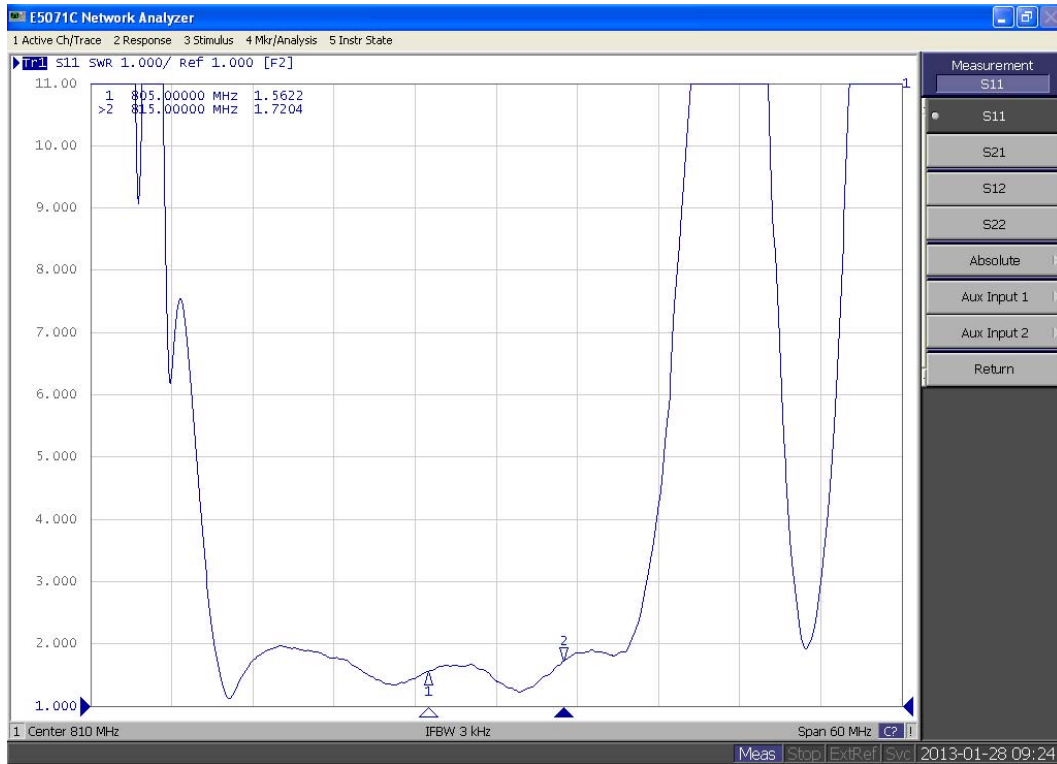


SAW Filter 810.0MHz
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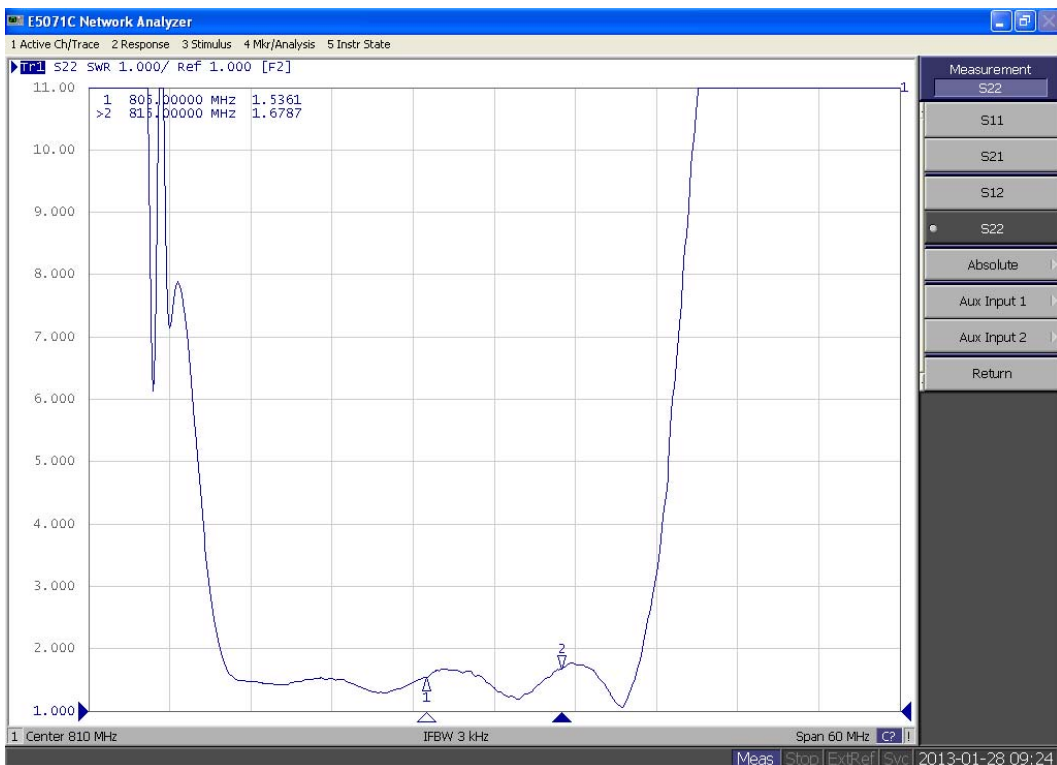
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Rev No: 1

Reflection Functions:

S11



S22

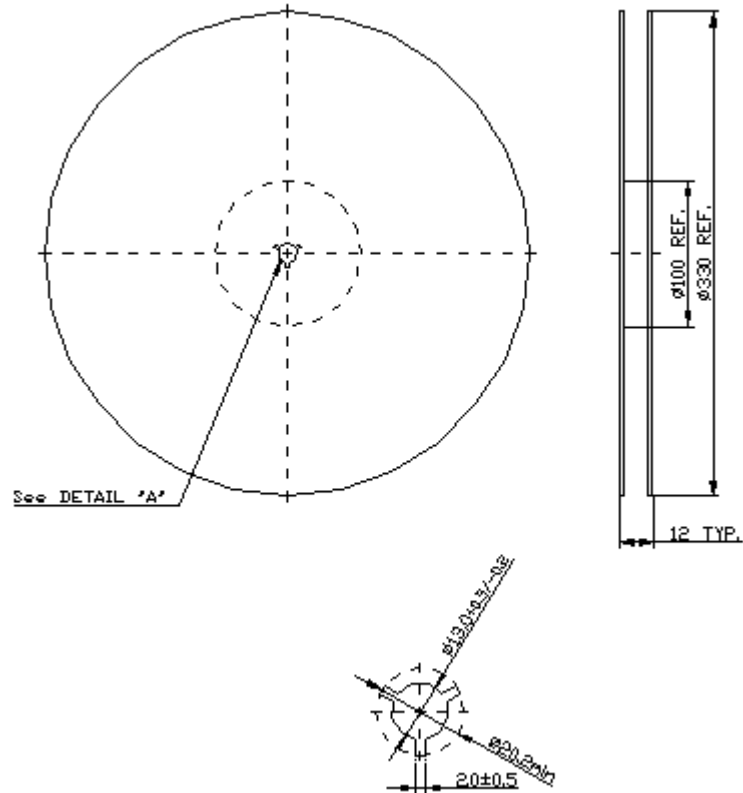


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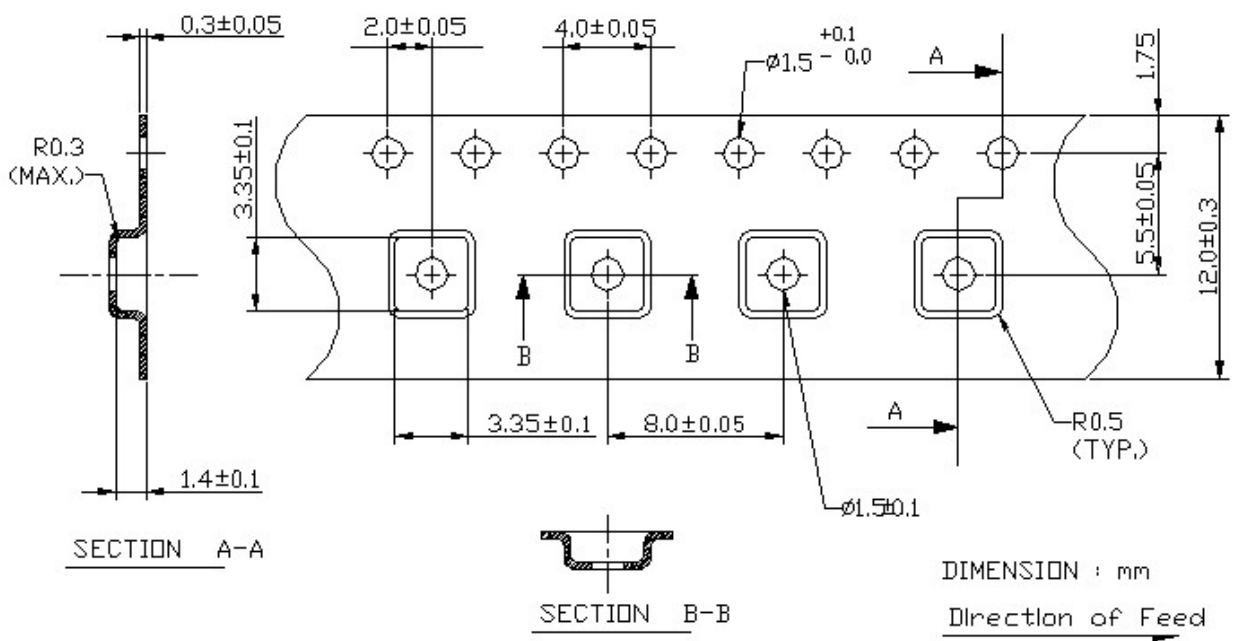
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G. PACKING:

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

