

SAW Filter 1268.520MHz
Part No: MP08172

Model: TA1835A
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:

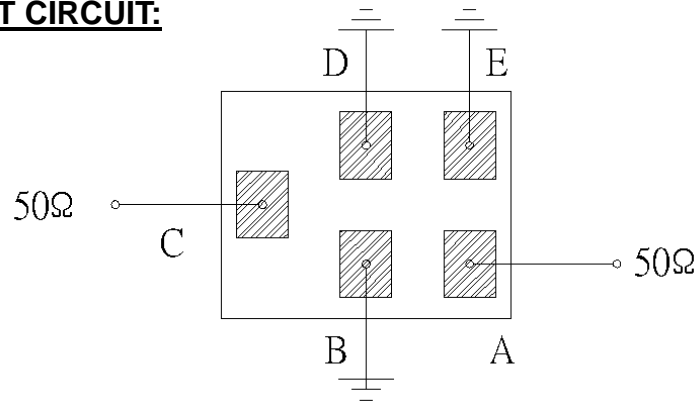
1. Terminating source impedance: $Z_S = 50\Omega$
2. Terminating load impedance: $Z_L = 50\Omega$

Item	Unit	Min.	Typ.	Max.
Center Frequency F_c	MHz	-	1268.52	-
Insertion Loss (1258.29 ~ 1278.75MHz) IL	dB	-	2.7	4.5
Amplitude ripple (1258.29 ~ 1278.75MHz)	dB	-	0.6	2.4
Bandwidth @2dB	MHz	20.46	30.8	-
VSWR (1258.29 ~ 1278.75MHz)	-	-	1.7	2.5
Attenuation (Reference level from 0dB)				
1227.52MHz	dB	25	38	-
1309.52MHz	dB	50	58	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-

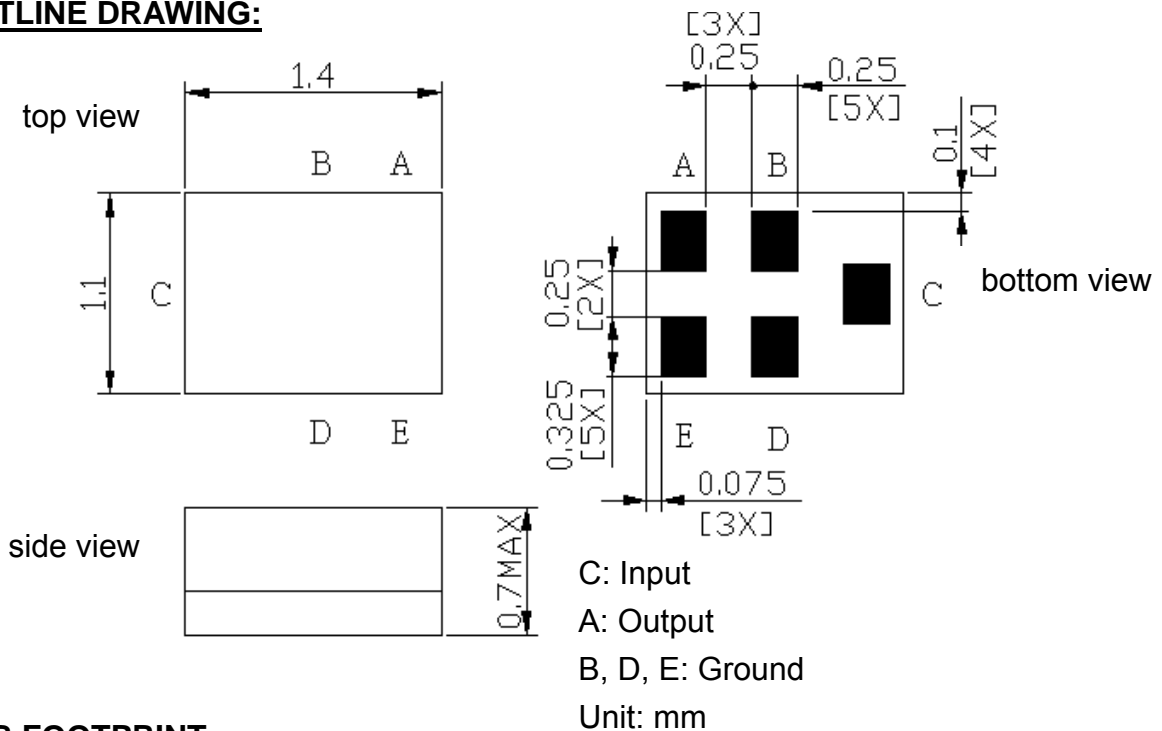
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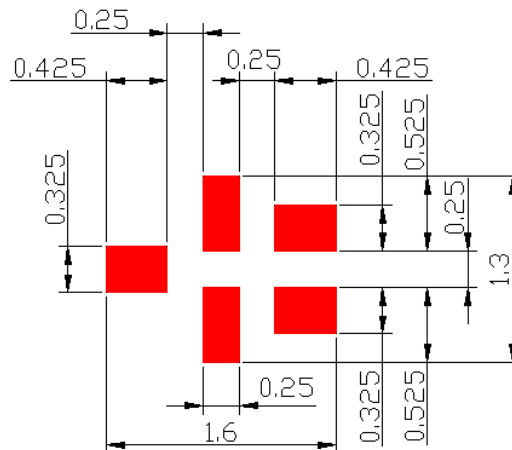
C. MEASUREMENT CIRCUIT:



D. OUTLINE DRAWING:



E. PCB FOOTPRINT:

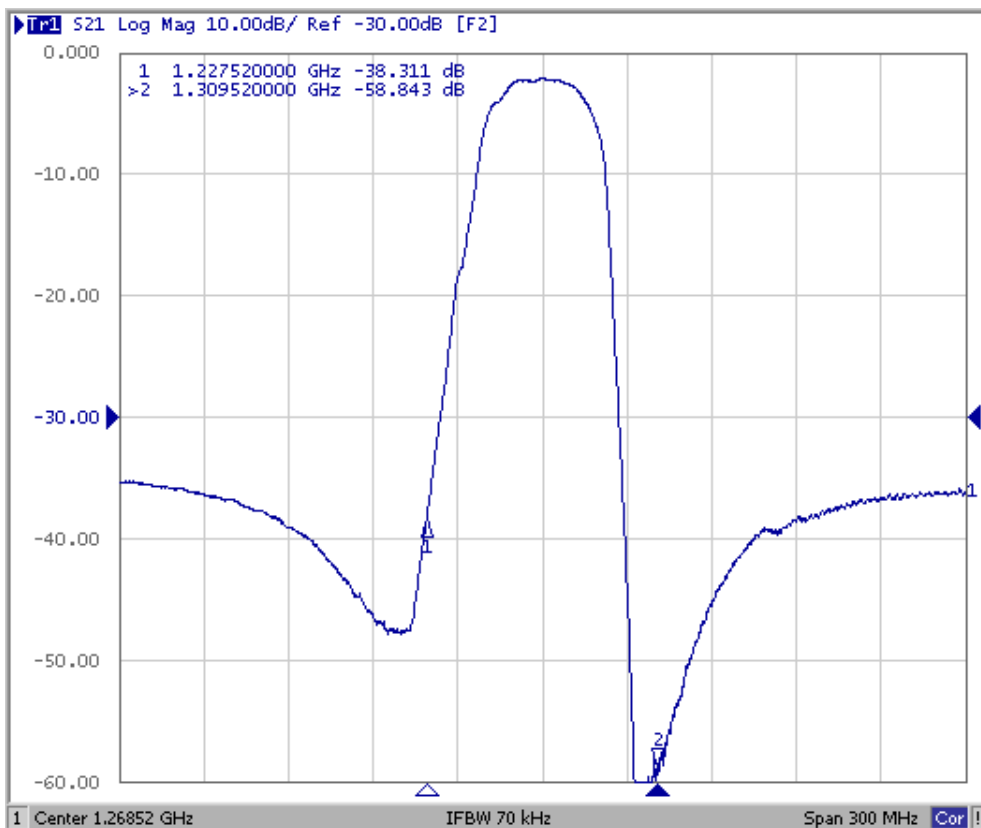
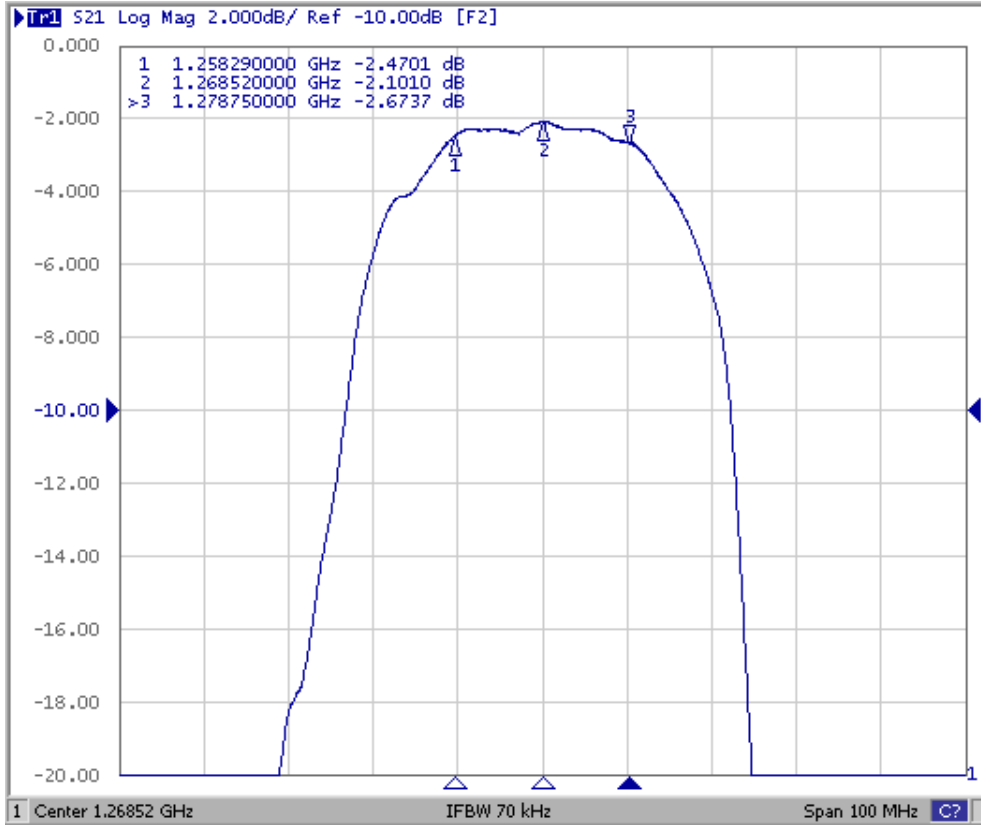


: Land Pattern
 Unit : mm

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F. FREQUENCY CHARACTERISTICS:

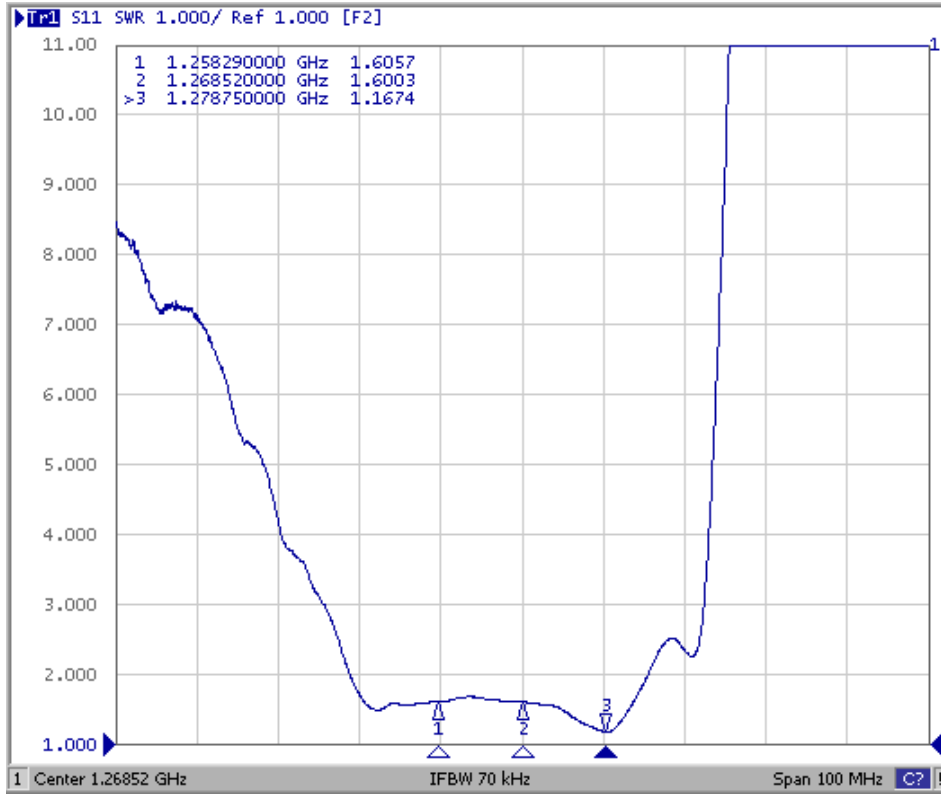


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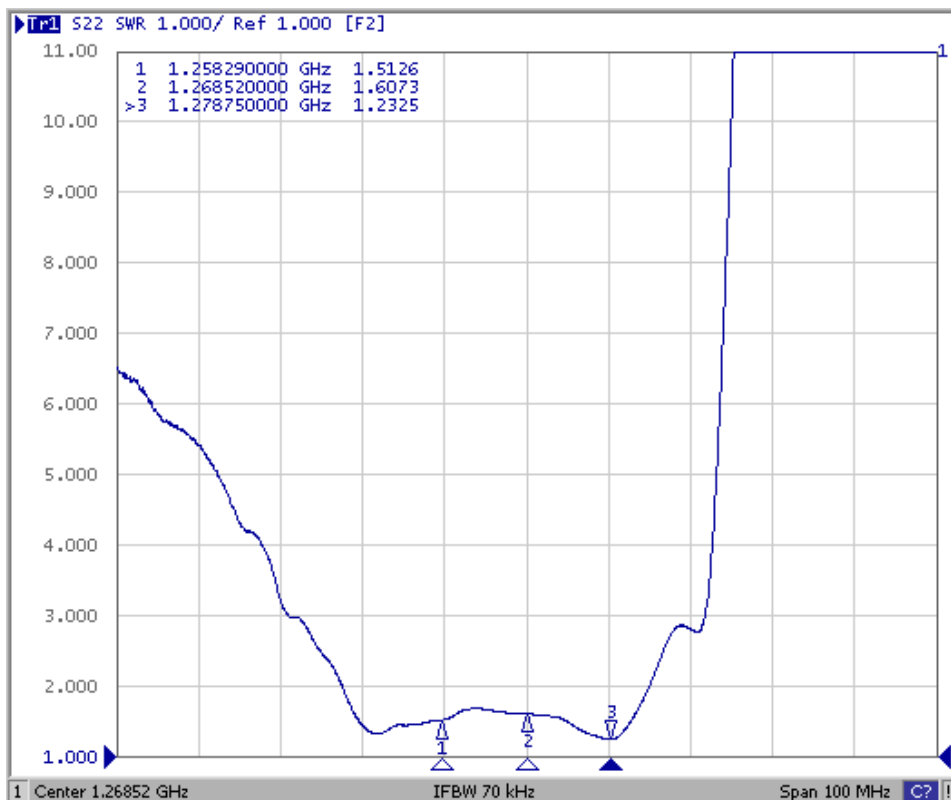
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Reflection Functions:

S11



S22

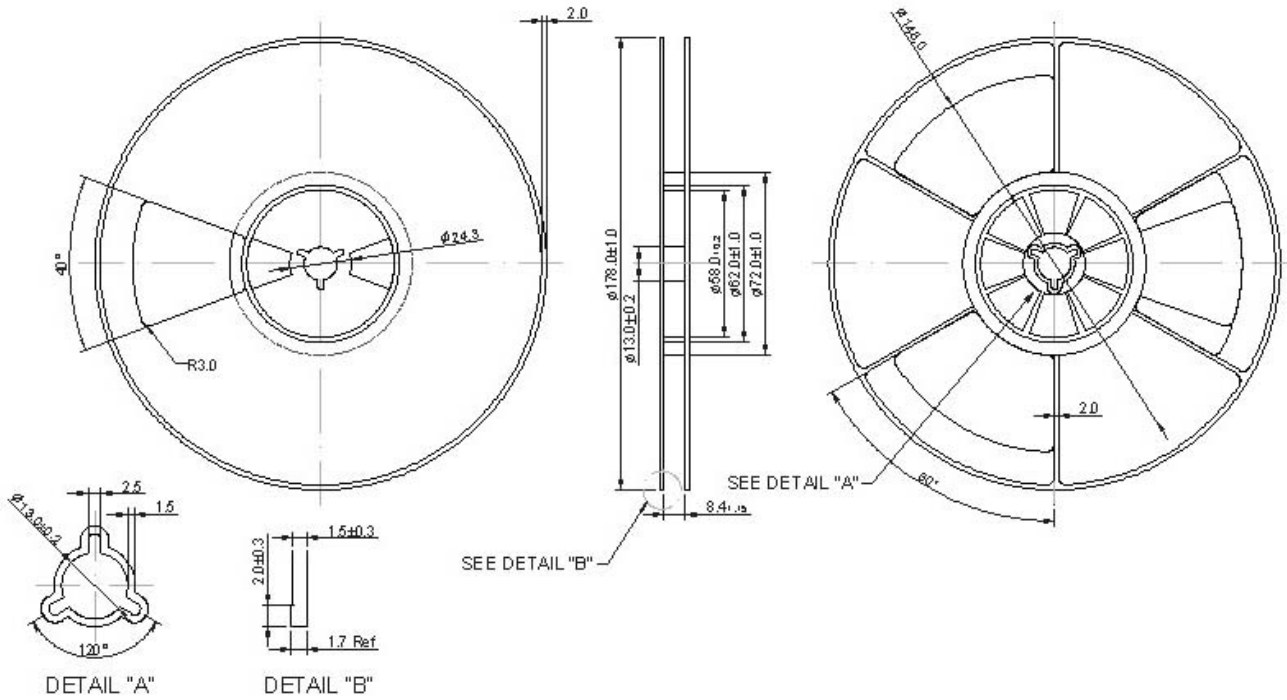


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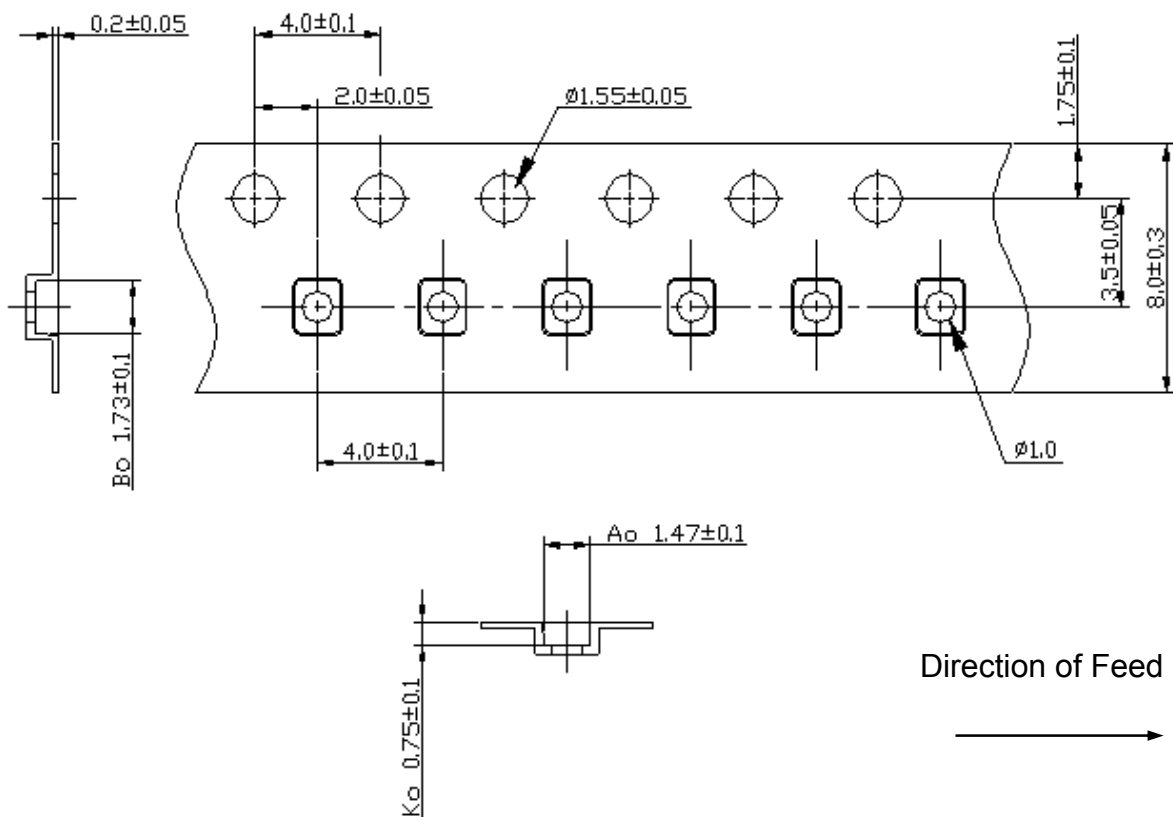
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G. PACKING:

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.

