

SAW Filter 1687.50MHz
Part No: MP09521

Model: TA0872B
Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

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

B. ELECTRICAL CHARACTERISTICS:

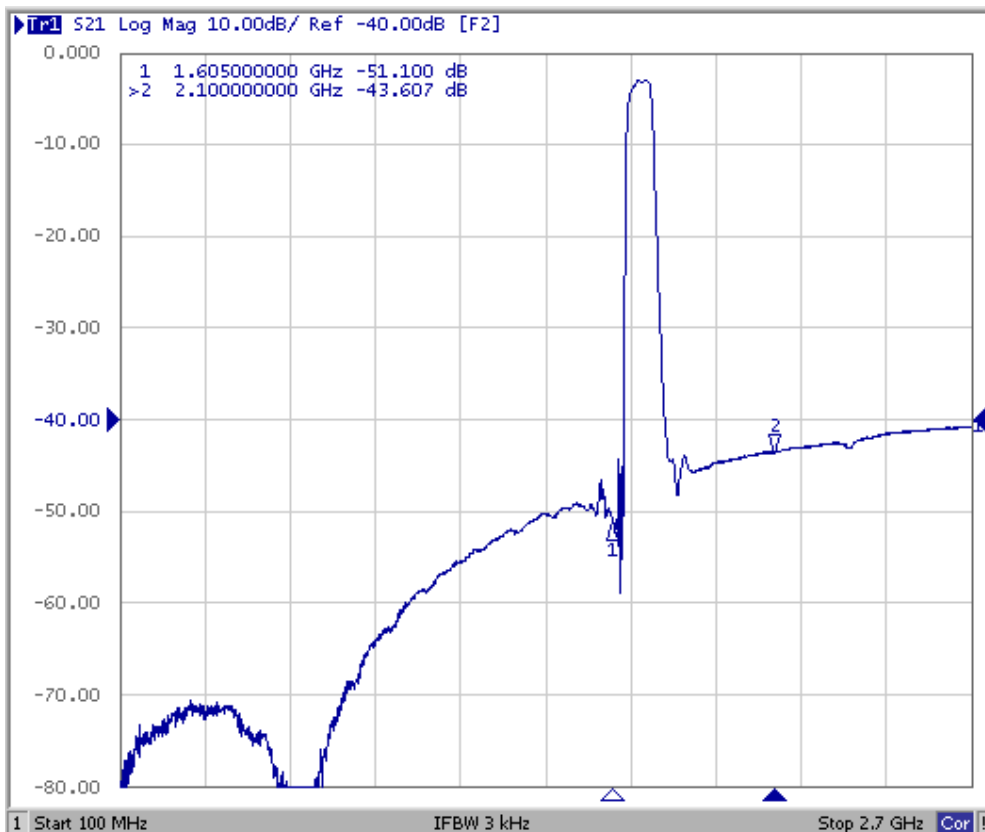
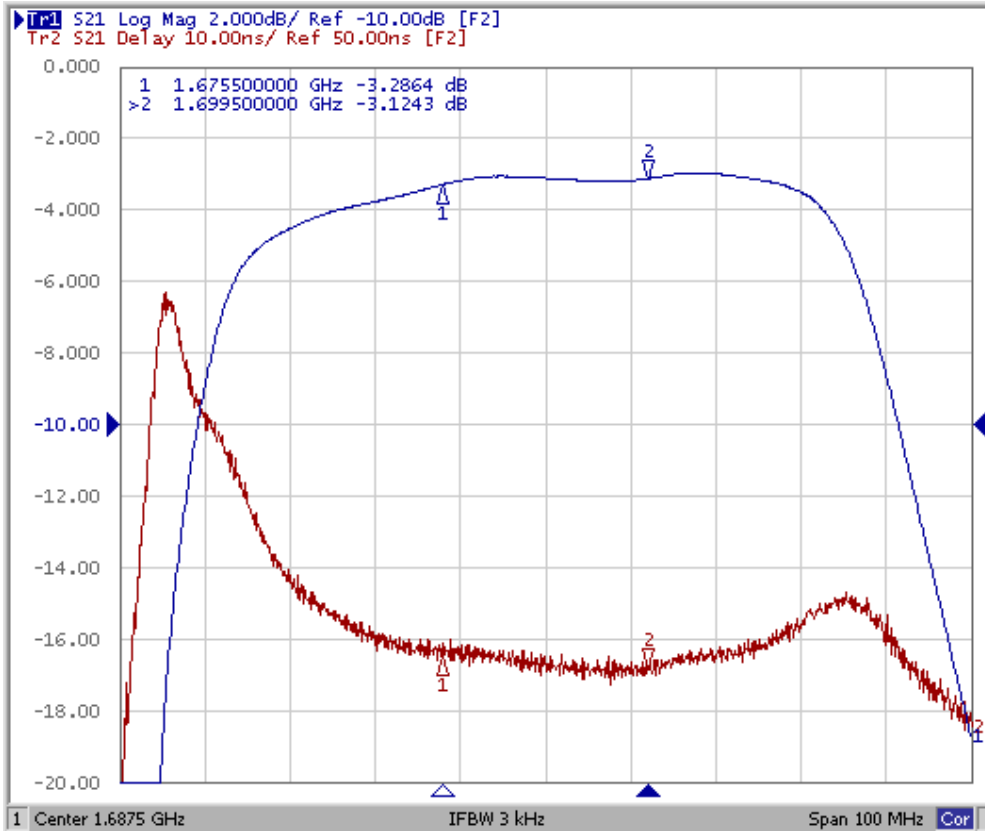
1. Terminating source impedance (single ended): $Z_S = 50\Omega$
2. Terminating load impedance (single ended): $Z_L = 50\Omega$

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	1687.5	-	-
Insertion Loss (1675.5~1699.5MHz) IL	dB	-	3.3	4	-
Amplitude Ripple (1675.5~1699.5MHz)	dB	-	0.5	1.7	-
Return Loss (1675.5~1699.5MHz)	dB	9	11	-	-
Group delay ripple (1675.5~1699.5MHz)	ns	-	6	20	-
Attenuation (Reference level from 0dB)					
100~1605MHz	dB	40	45	-	-
1800~2100MHz	dB	40	43	-	-
2100~2700MHz	dB	38	41	-	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-	-

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F. FREQUENCY CHARACTERISTICS:

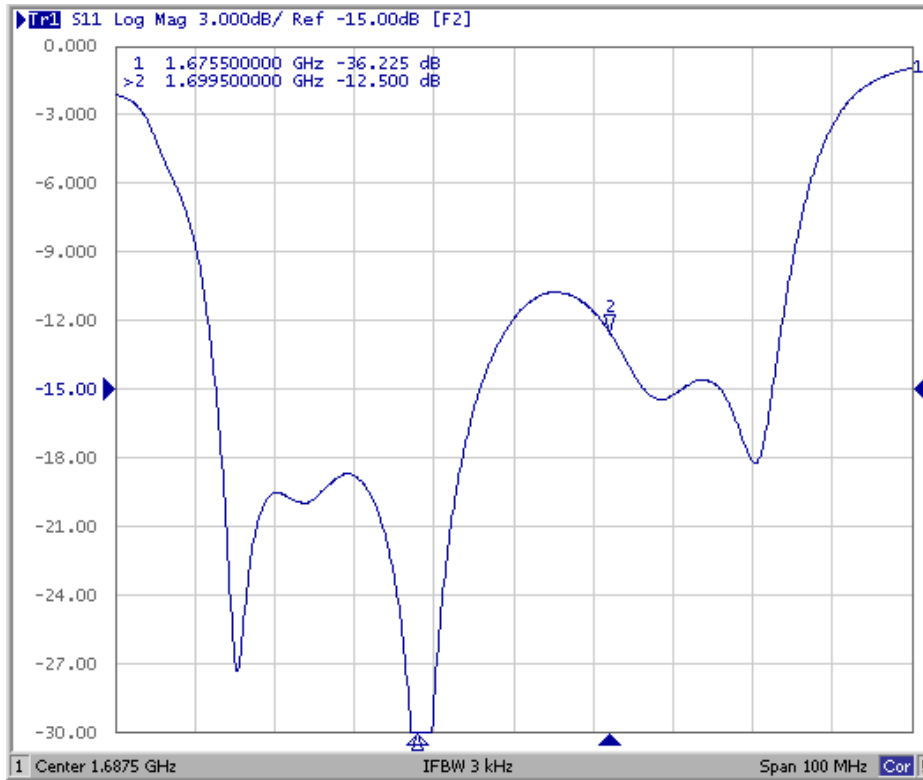


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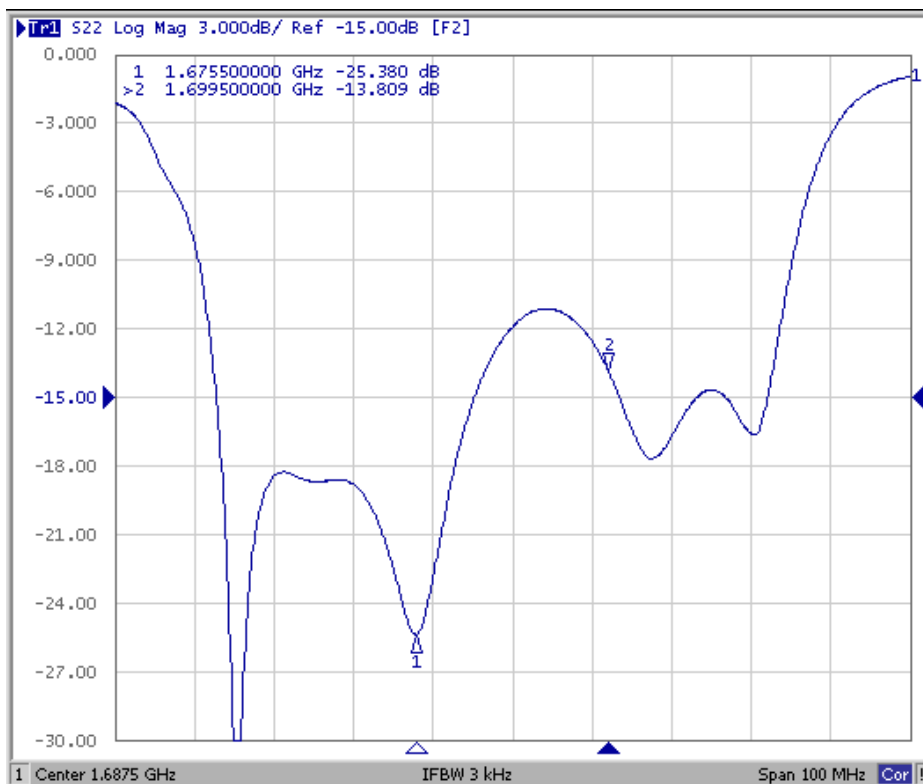
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Reflection Functions

S11



S22

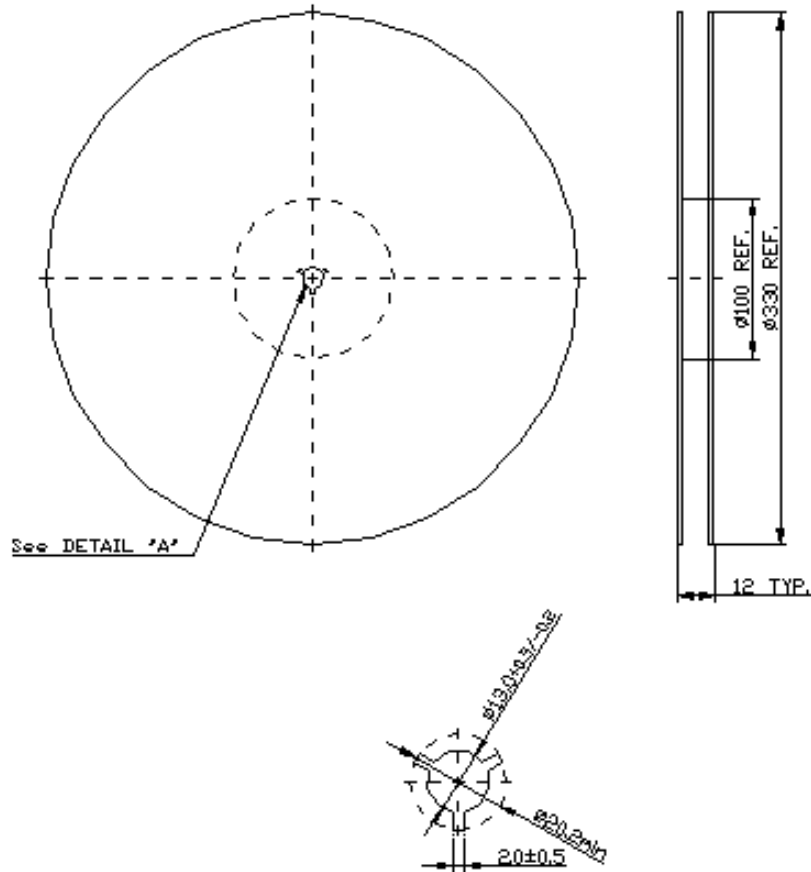


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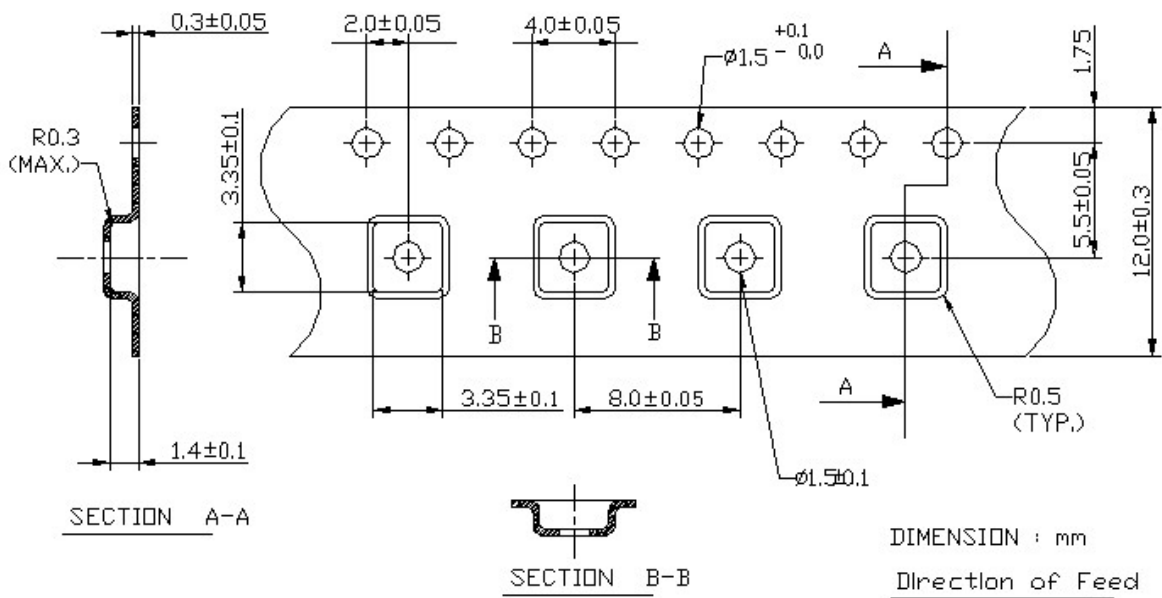
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G. PACKING:

1. Reel Dimensions



2. Tape Dimensions



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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.

