

SAW Filter 1268.0MHz
Part No: MP07238

Model: TA1667A
Rev No: 2

A. MAXIMUM RATING:

Electrostatic Sensitive Device

1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -50°C to +95°C
5. Moisture Sensitivity Level: Level 1(MSL1)

B. ELECTRICAL CHARACTERISTICS:

1. Terminating source impedance: $Z_S = \text{balanced } 200\Omega // 30\text{nH}$
2. Terminating load impedance: $Z_L = \text{balanced } 200\Omega // 30\text{nH}$

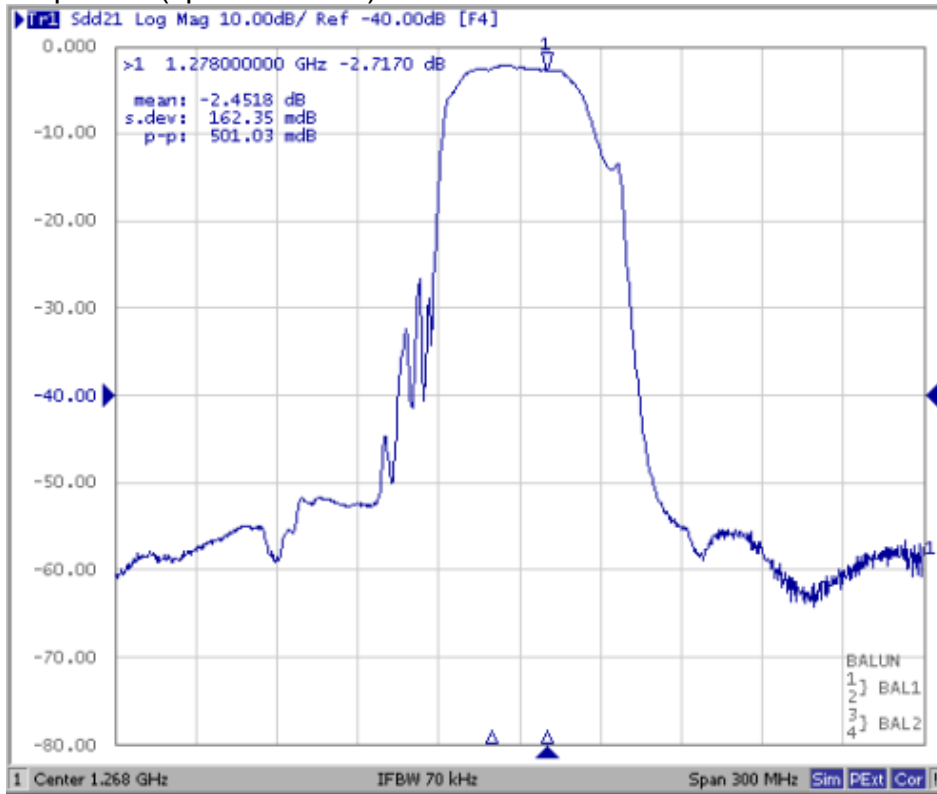
Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	1268	-	-
Bandwidth at -3dB	MHz	-	49	-	-
Insertion Loss (1258 ~ 1278MHz) IL	dB	-	2.7	4.0	-
Amplitude ripple (1258 ~ 1278MHz)	dB	-	0.5	2.0	-
Group delay ripple (1258 ~ 1278MHz) GD	ns	-	8.5	15	
I/O return loss (1258 ~ 1278MHz)	dB	8.0	10.0	-	-
Attenuation					
10 ~ 970MHz	dB	44	55	-	-
1420 ~ 2000MHz	dB	44	53	-	-
2000 ~ 3000MHz	dB	38	51	-	
Package size	mm	SMD 3.0 x 3.0			

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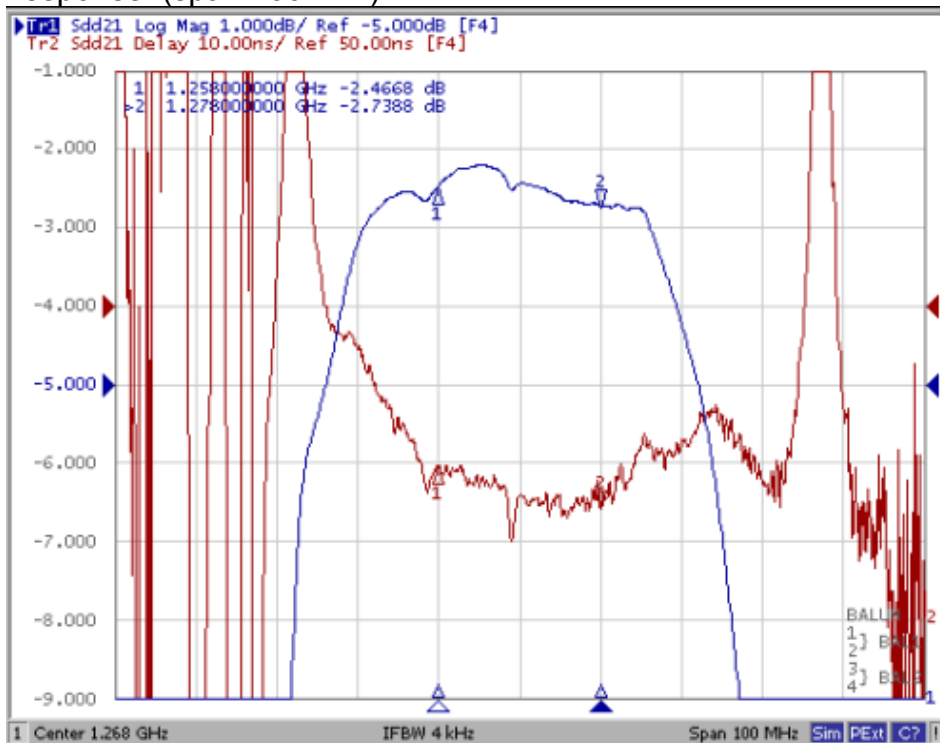
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C. FREQUENCY CHARACTERISTICS:

1. Sdd21 response: (span 300MHz)



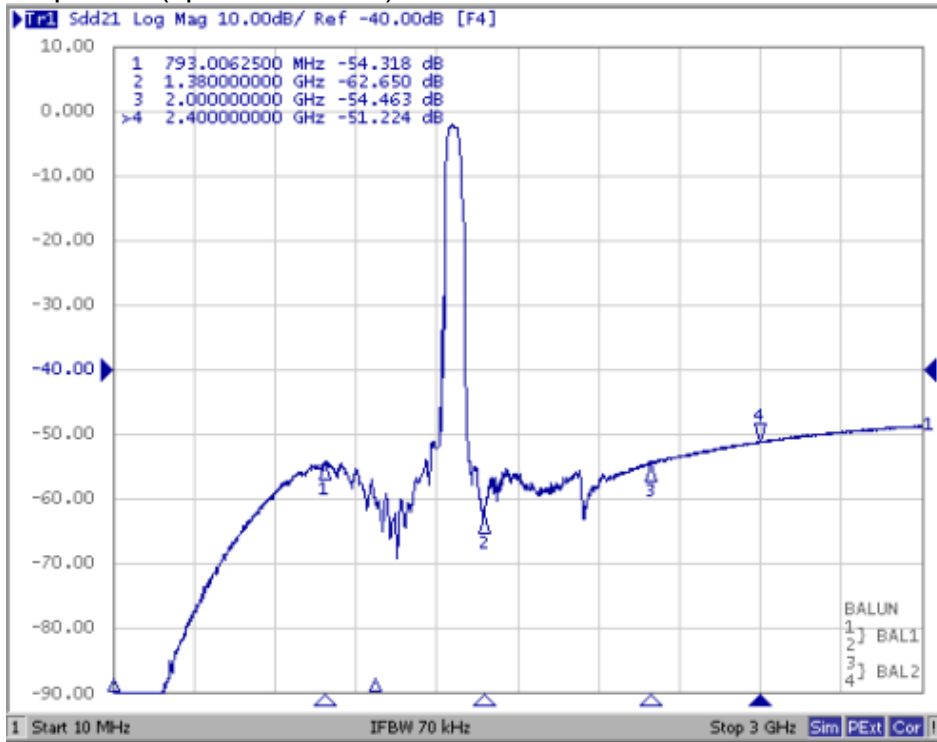
2. Sdd21 response: (span 100MHz)



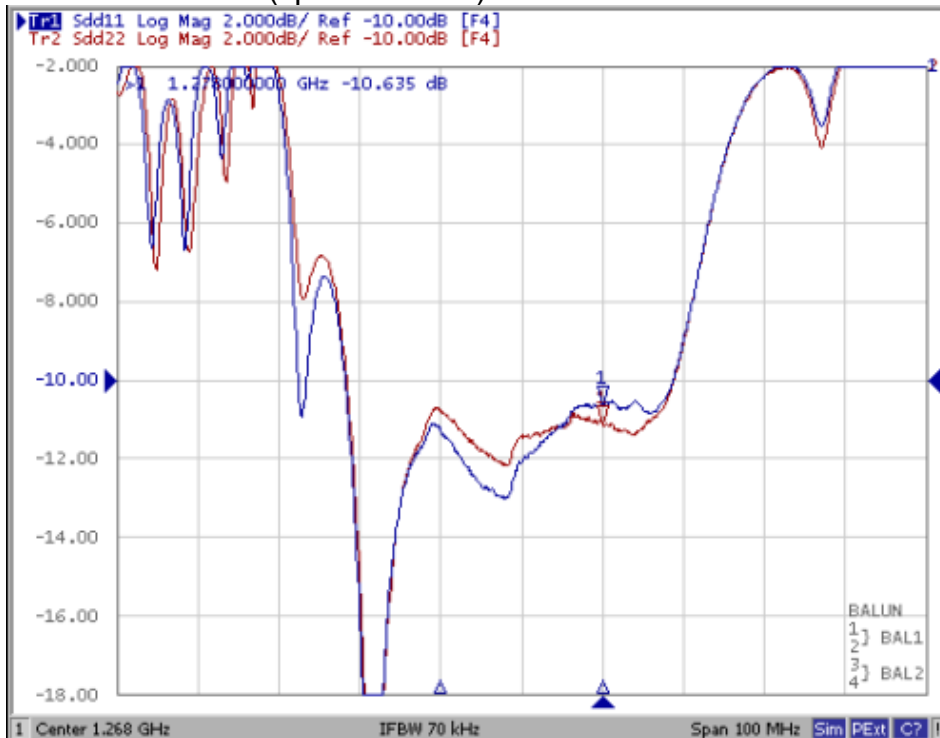
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3. Sdd21 response: (span 3000MHz)



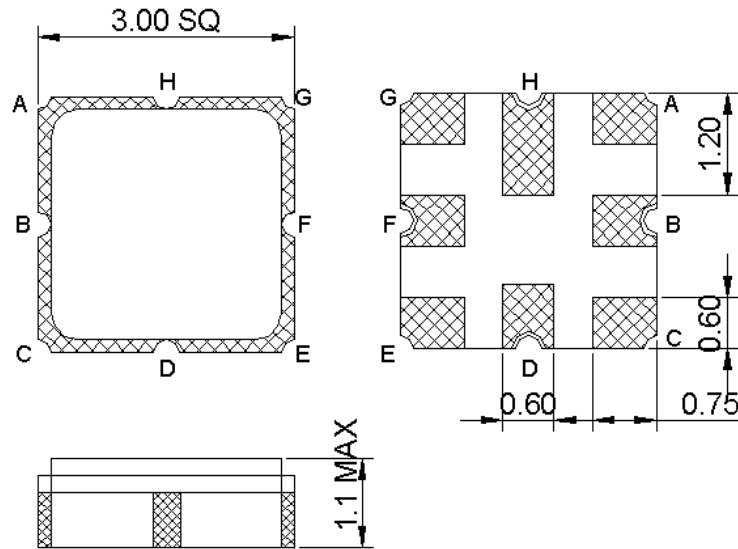
4. S11&Sdd22 Return loss: (span 100MHz)



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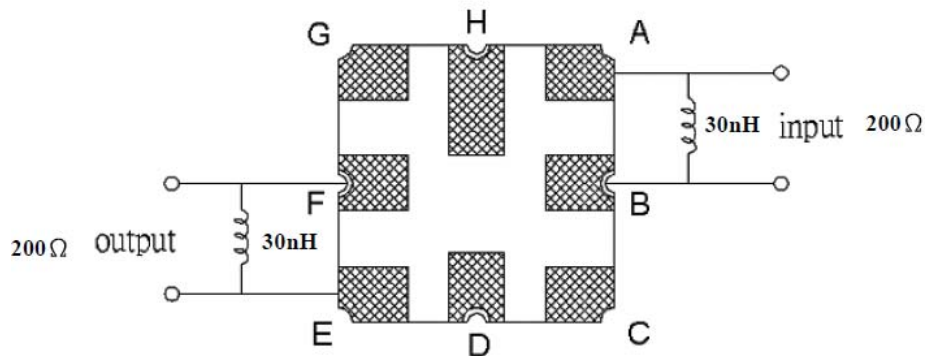
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D. OUTLINE DRAWING:

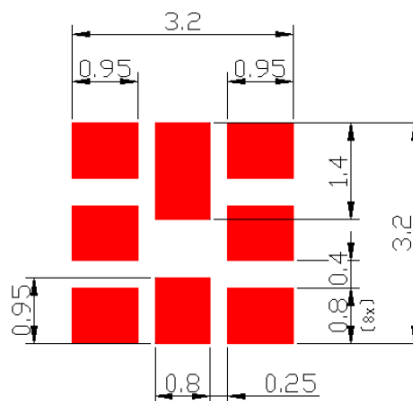


- A, B: Balanced Input
- E, F: Balanced Output
- C, D, G, H: Ground

E. MEASUREMENT CIRCUIT:



F. PCB FOOTPRINT:

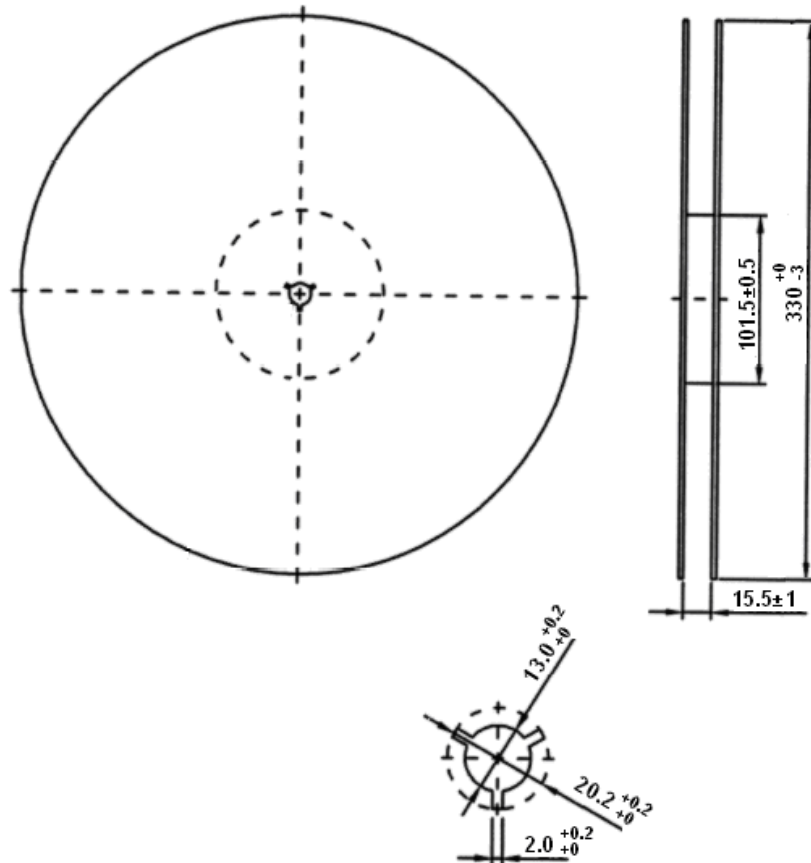


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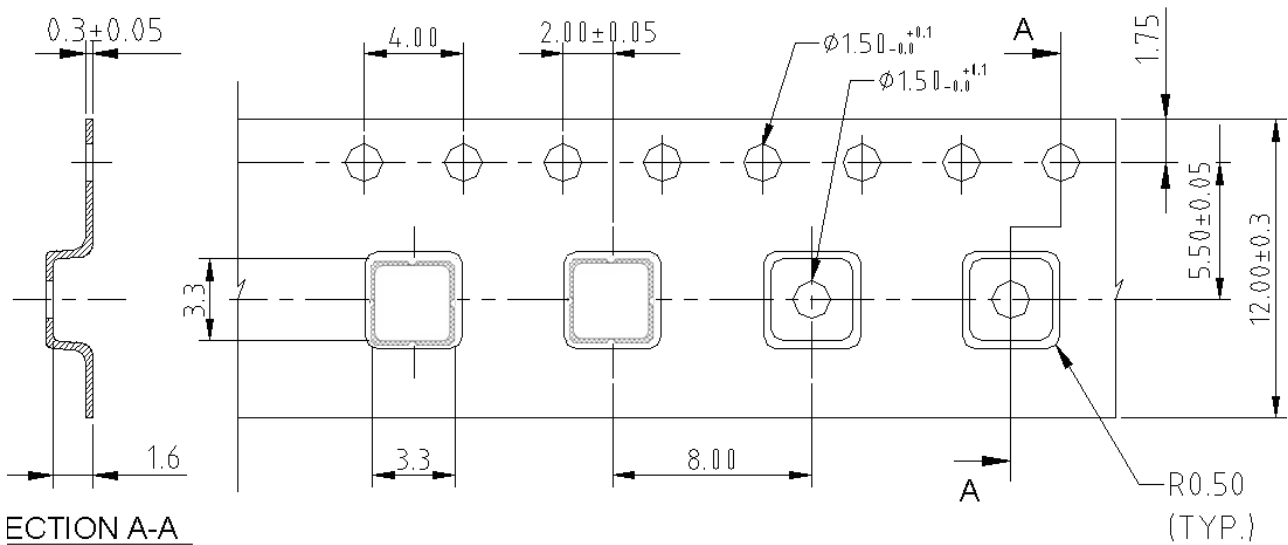
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G. PACKING:

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.

