

SAW Filter 1268.0MHz

Model: TA1667A

Part No: MP07238

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: -50°C to +95°C

B. ELECTRICAL CHARACTERISTICS:

1. Terminating source impedance: Z_S = balanced 200 Ω // 30nH
2. Terminating load impedance: Z_L = balanced 200 Ω // 30nH

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	1268	-	-
Bandwidth at -3dB (1258 ~ 1278MHz)	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			

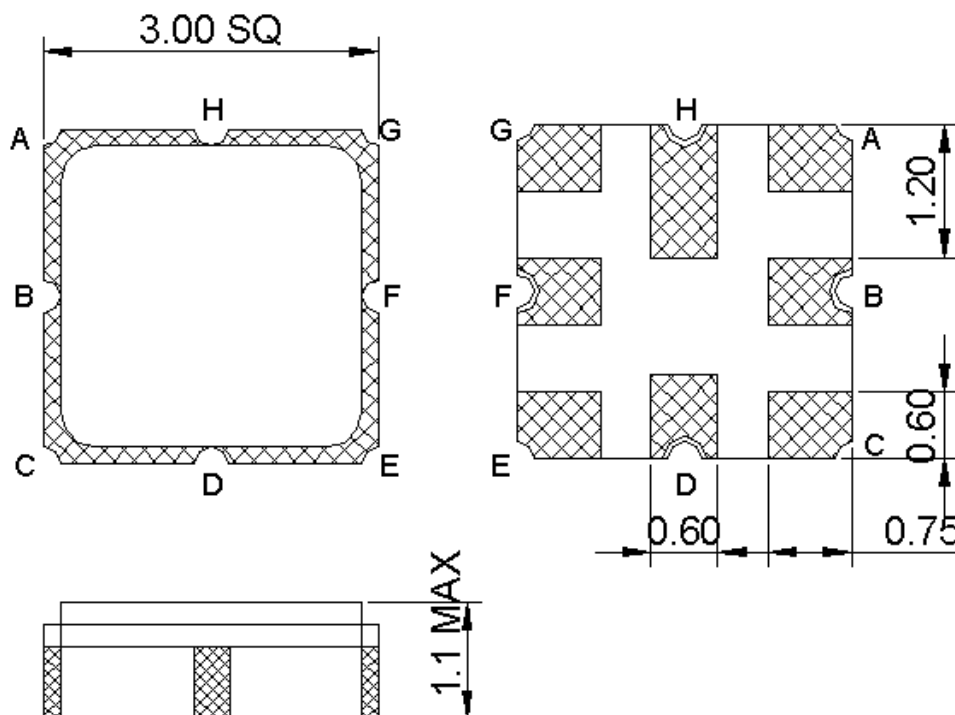
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C. OUTLINE DRAWING:



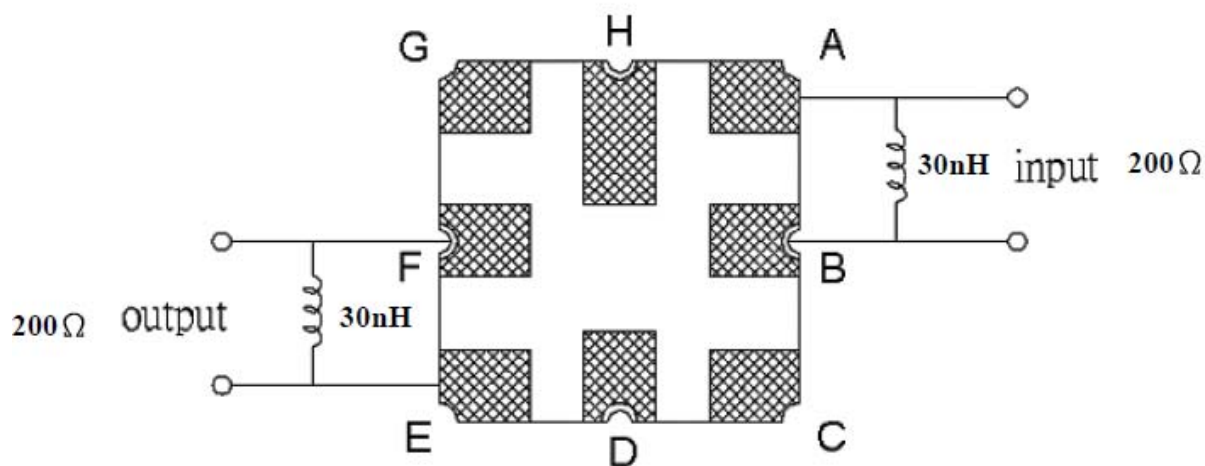
B: Input

G, E: Balanced Output

A, C, D, F, H: Ground

Unit: mm

D. MEASUREMENT CIRCUIT:

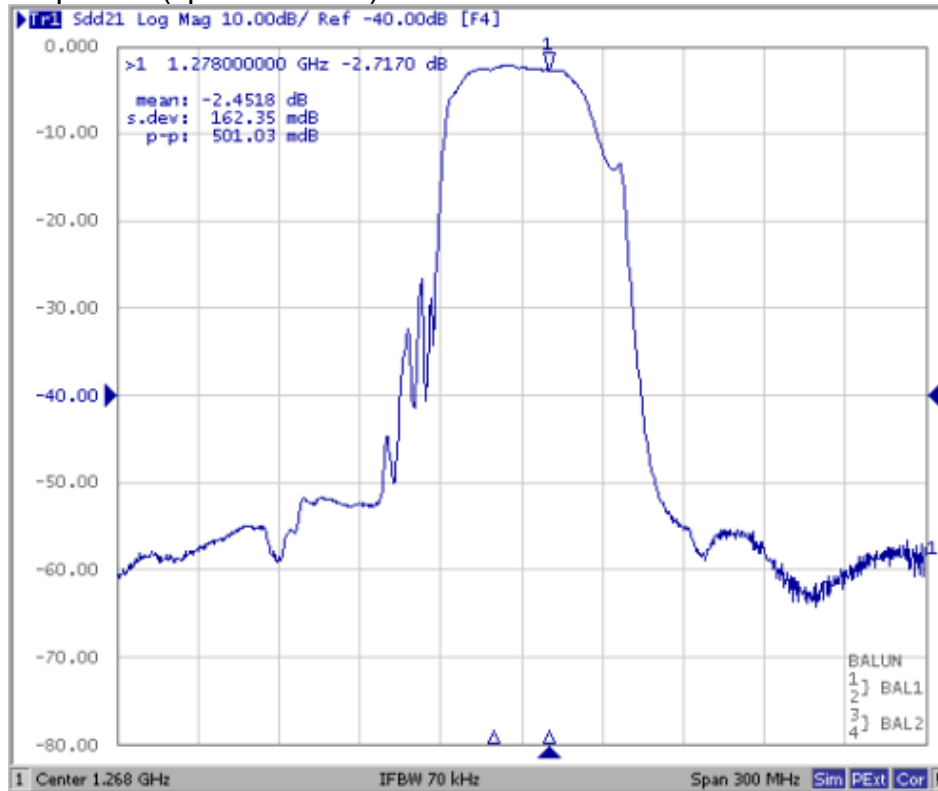


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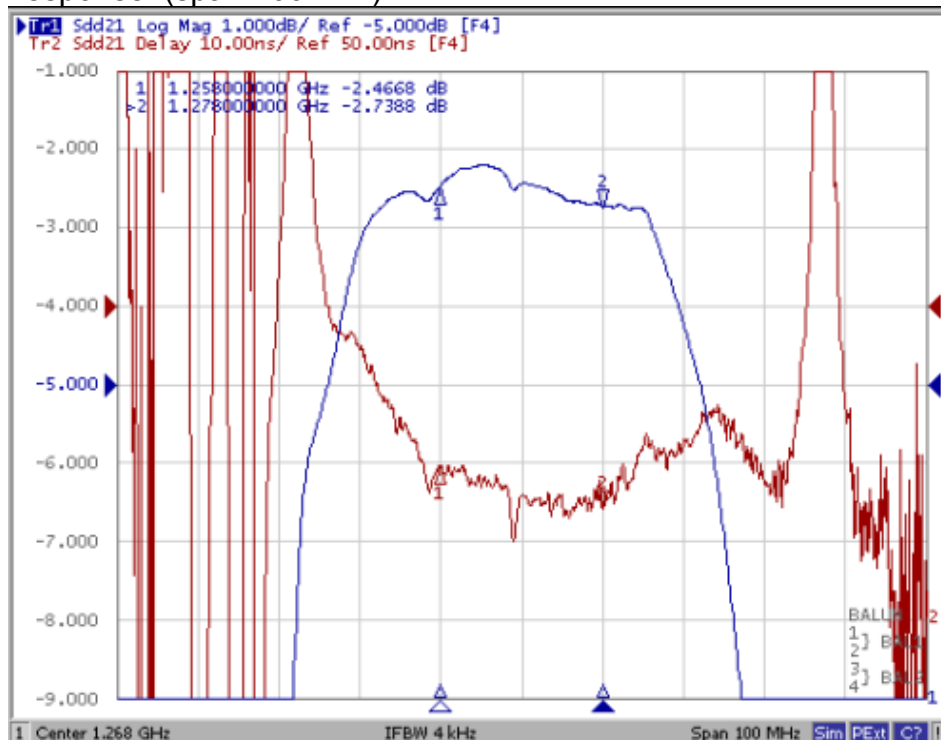
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E. FREQUENCY CHARACTERISTICS:

1. Sdd21 response: (span 300MHz)



2. Sdd21 response: (span 100MHz)



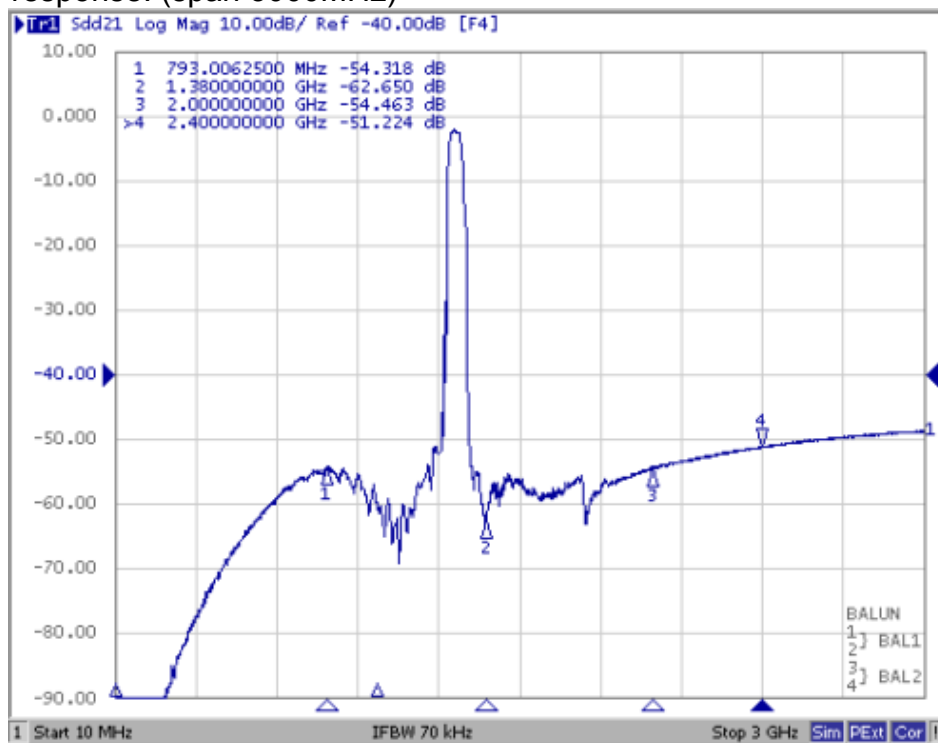
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3. Sdd21 response: (span 3000MHz)



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



