

SAW Filter 2338.750MHz
Part No: MP11311

Model: TA1377A
Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

1. Input Power Level: 15dBm
2. DC Voltage: 3V
3. Operating Temperature: -40°C to +105°C
4. Storage Temperature: -40°C to +105°C

B. ELECTRICAL CHARACTERISTICS:

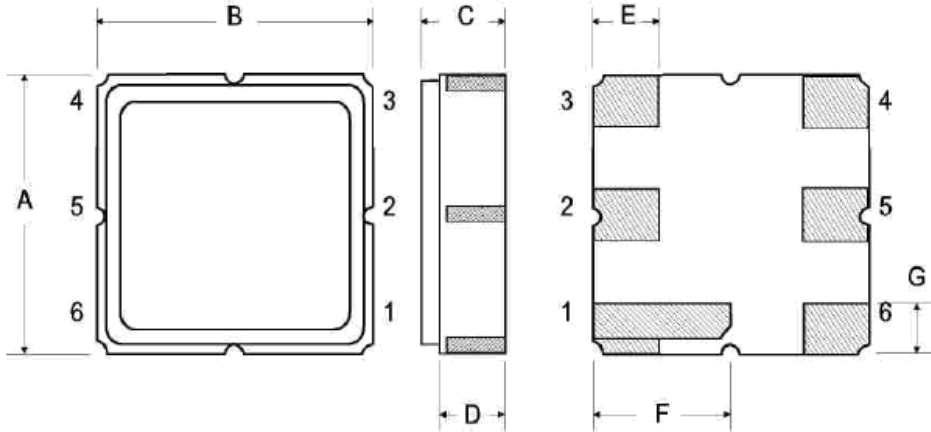
1. Terminating source impedance: $Z_S = 50\Omega$
2. Terminating load impedance: $Z_L = \text{balanced } 100\Omega$

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	2338.75	-	-
Max. Insertion Loss (2332.5~2345MHz) IL	dB	-	2.1	3.0	-
Amplitude ripple (2332.5~2345MHz)	dB	-	0.3	1.4	-
Group delay ripple (2332.5~2345MHz) GD	ns	-	4	12	
Input return loss (2332.5~2345MHz)	dB	6.5	20	-	-
Output return loss (2332.5~2345MHz)	dB	6.5	23	-	-
Attenuation					
88 ~ 108MHz	dB	60	70	-	-
880 ~ 960MHz	dB	50	55	-	-
1710 ~ 1910MHz	dB	40	48	-	
2305MHz	dB	-	18	-	-
2310MHz	dB	-	10	-	-
2315MHz	dB	-	6.3	-	-
2320MHz	dB	-	4.0	-	-
2450MHz	dB	30	47	-	-
3060MHz	dB	35	50	-	-
Package size	mm	SMD 3.0x3.0			

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C. OUTLINE DRAWING:



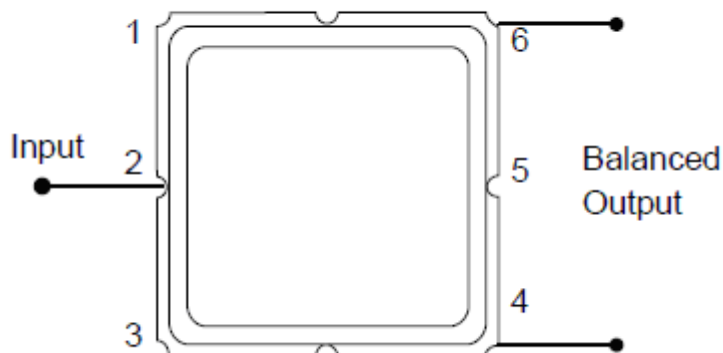
Electrical Connections

Connection	Terminals
Input	2
Balanced Output	4, 6
Ground	1, 3, 5

Dimensions	Millimeters			Inches		
	Min	Nom	Max	Min	Nom	Max
A	2.87	3.0	3.13			
B	2.87	3.0	3.13			
C	0.90	1.0	1.10			
D		0.75				
E		0.75				
F		1.50				
G		0.60				

D. MEASUREMENT CIRCUIT:

Zin: 50 ohm Zout: 100 ohm

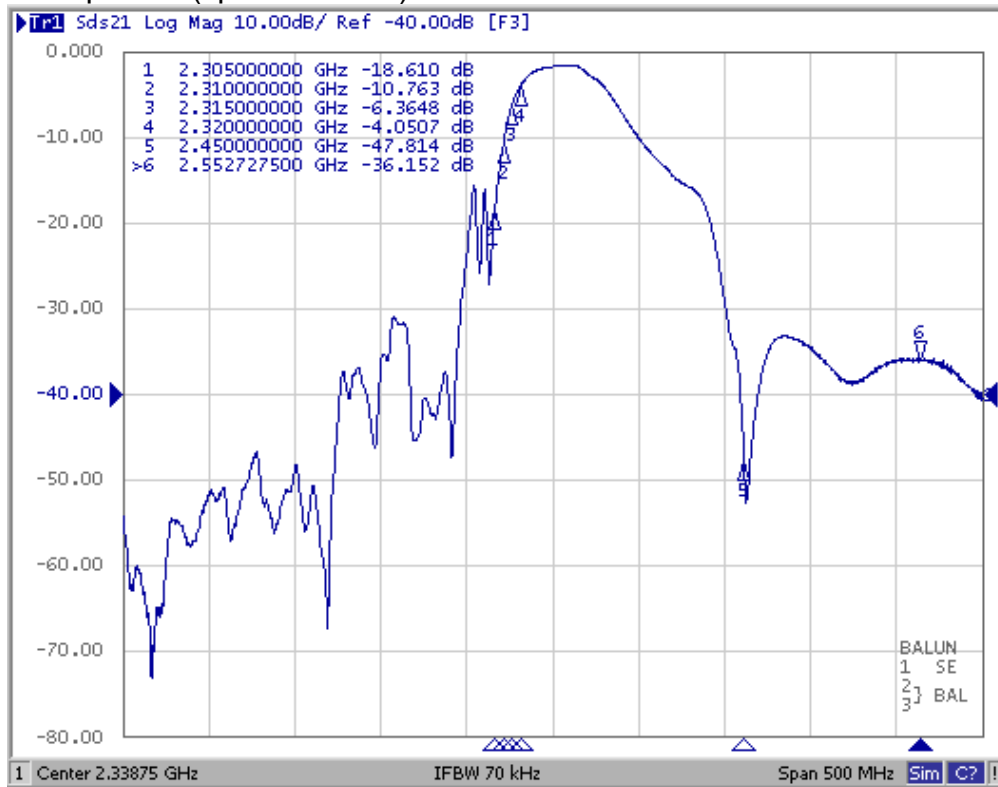


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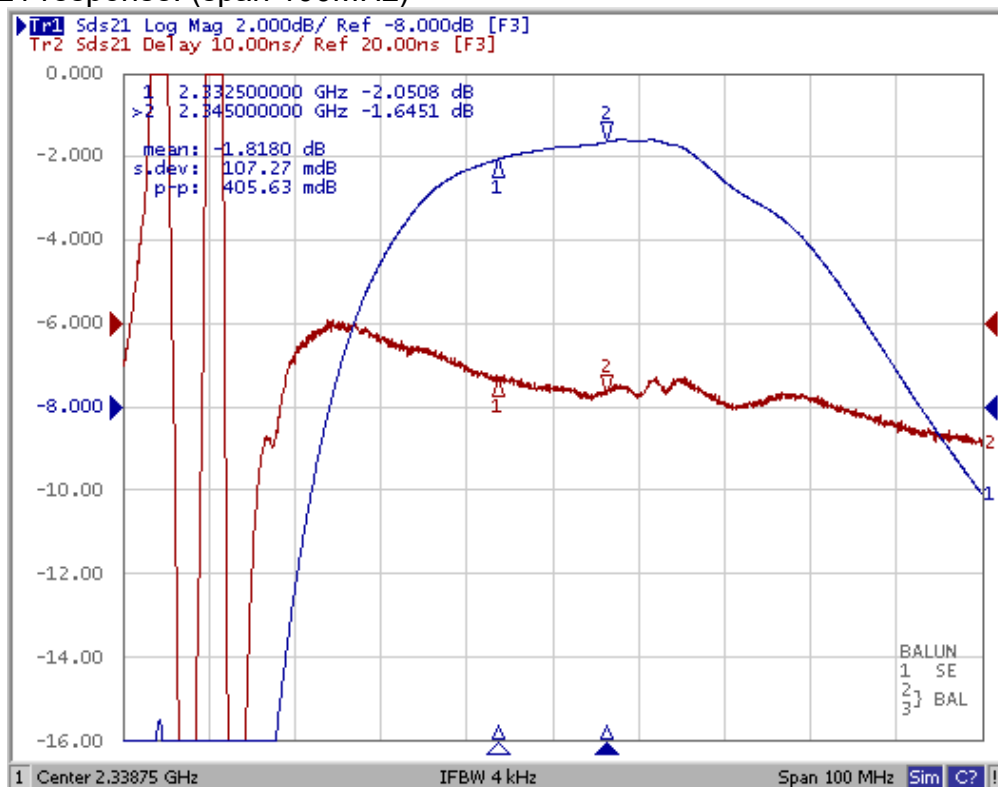
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E. FREQUENCY CHARACTERISTICS:

1. Sdd21 response: (span 500MHz)



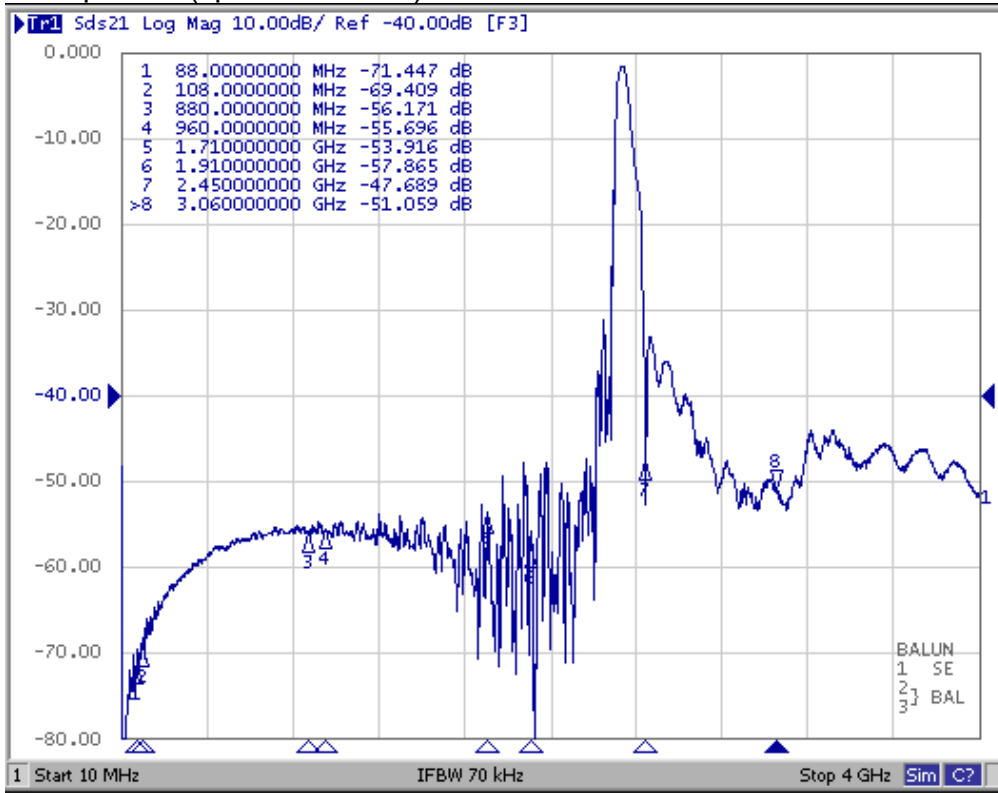
2. Sdd21 response: (span 100MHz)



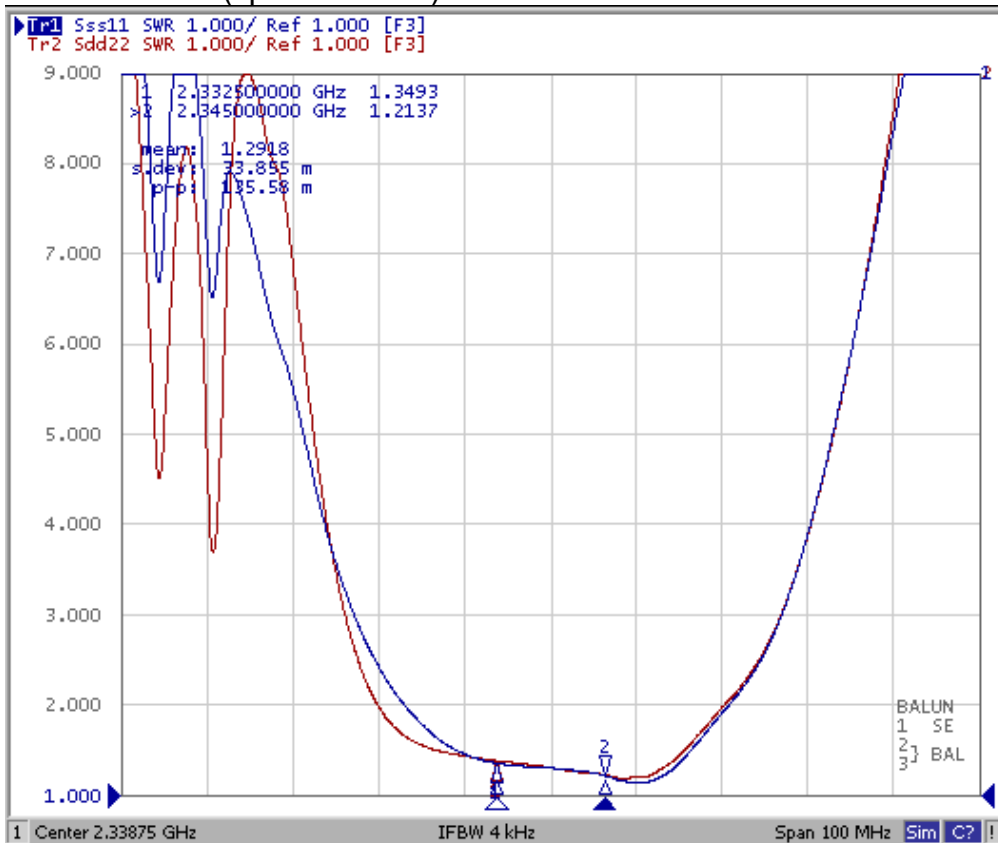
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3. Sdd21 response: (span 4200MHz)



4. S11&Sdd22 VSWR: (span 100MHz)



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G. RECOMMENDED REFLOW PROFILE:

