

SAW Filter 403.50MHz
Part No: MP07250

Model: TA1376A
Rev No: 2

A. MAXIMUM RATING:

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: $Z_L = 200\Omega$

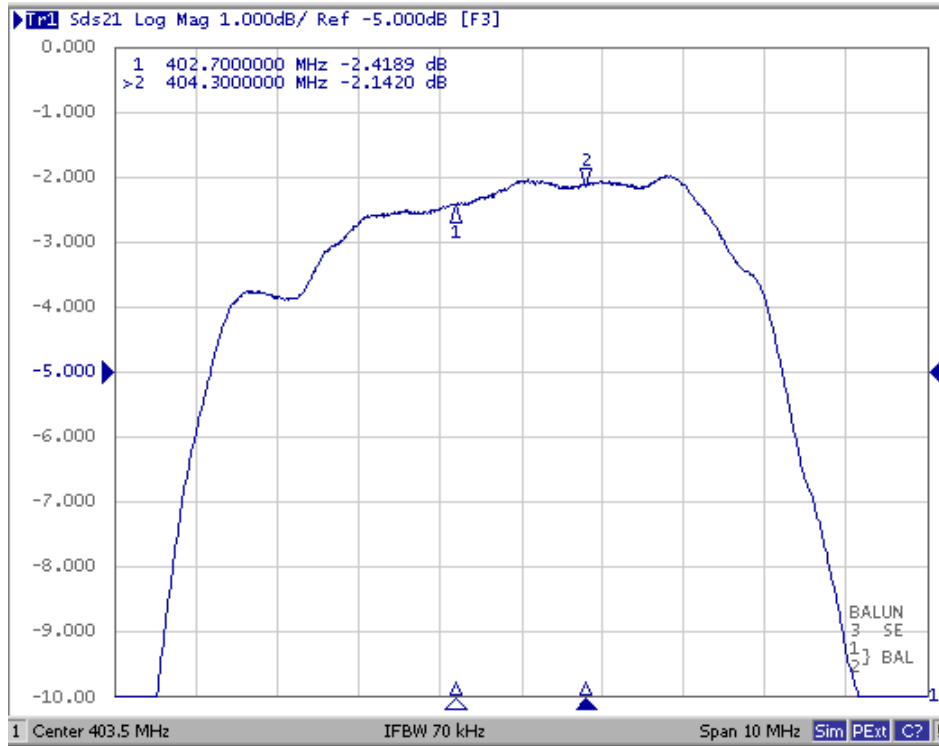
Item	Unit	Min.	Type.	Max.
Center Frequency	MHz	402	403.5	405
Insertion Loss 402.7 ~ 404.3MHz	dB	-	2.4	2.8
VSWR S11/S22 402.7 ~ 404.3MHz	-	-	1.5	2.0
Amplitude ripple 402.7 ~ 404.3MHz	dB	-	0.36	1.0
Attenuation (Reference level from 0dB)				
10.0 ~ 350.00MHz	dB	45	51	-
350.00 ~ 392.00MHz	dB	42	45	-
416.00 ~ 430.00MHz	dB	25	28	-
430.00 ~ 650.00MHz	dB	50	58	-
650.00 ~ 1000.00MHz	dB	42	52	-
Package size	mm	SMD 2.5x2.0		
Temperature Coefficient of Frequency	ppm/°C	-36		

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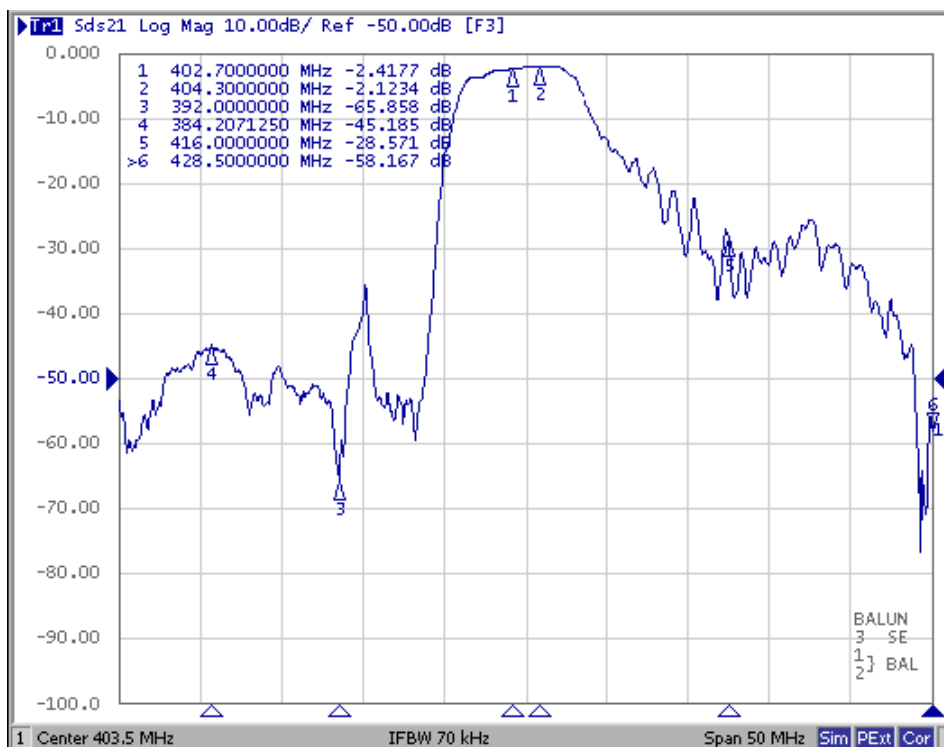
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C. FREQUENCY CHARACTERISTICS:

1. S21 Pass-band response: (span 10MHz)



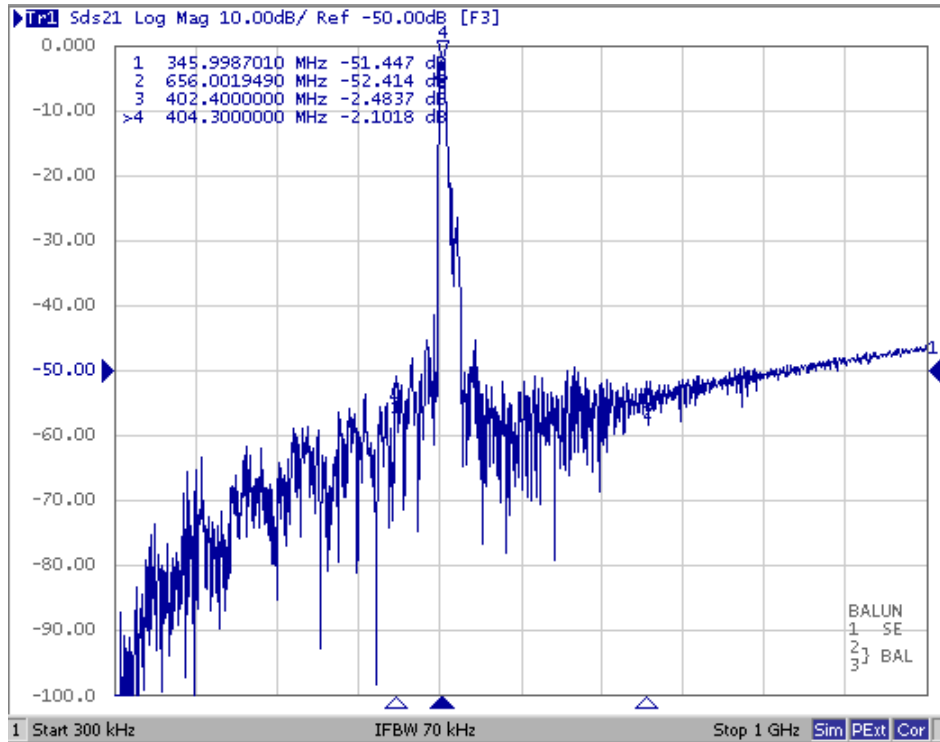
2. S21 response: (span 50MHz)



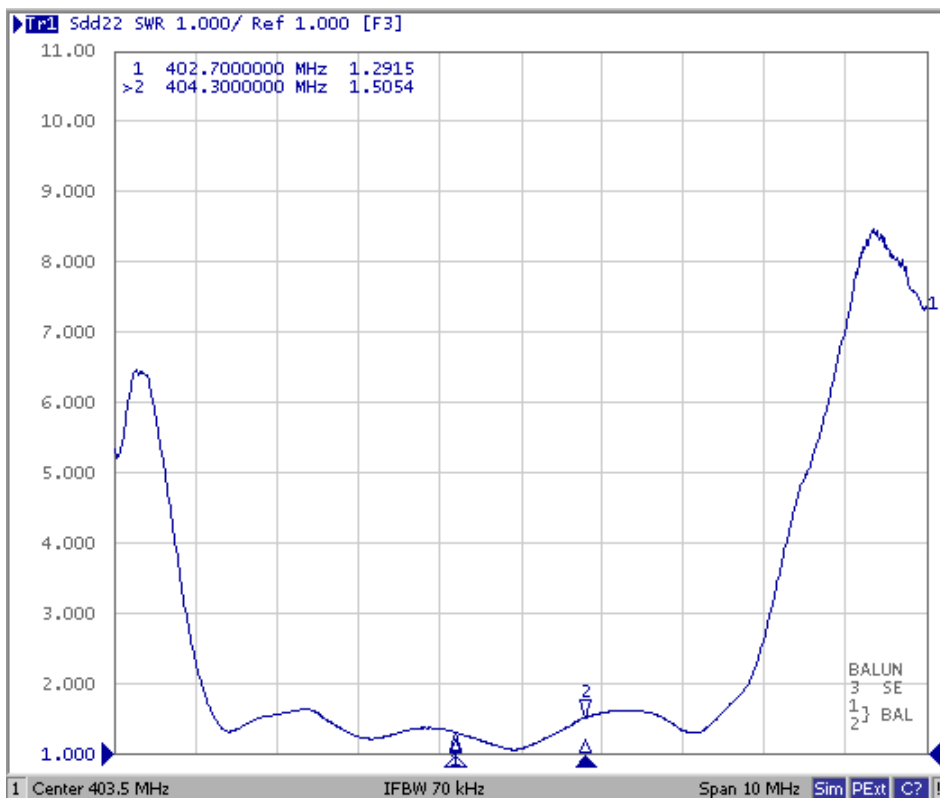
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3. S21 response: (span 1GHz)



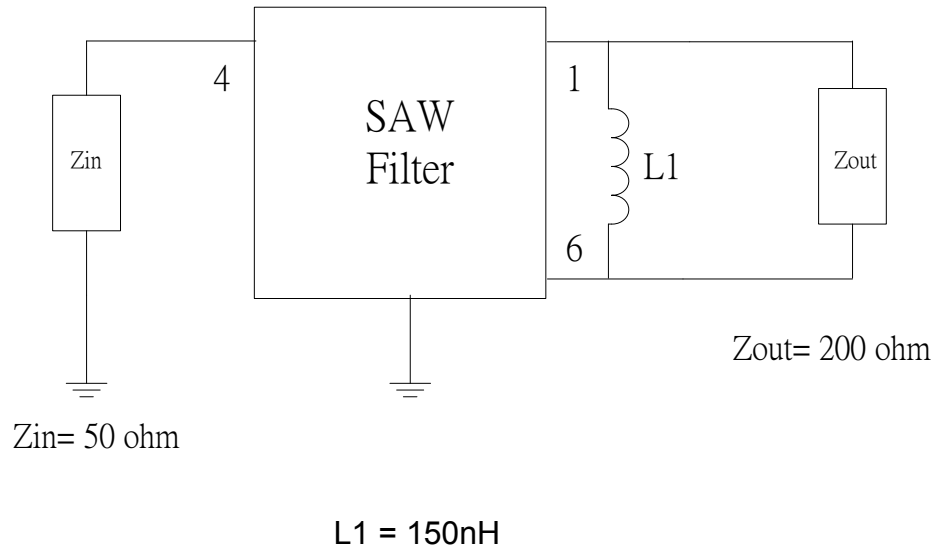
4. S11&S22 VSWR



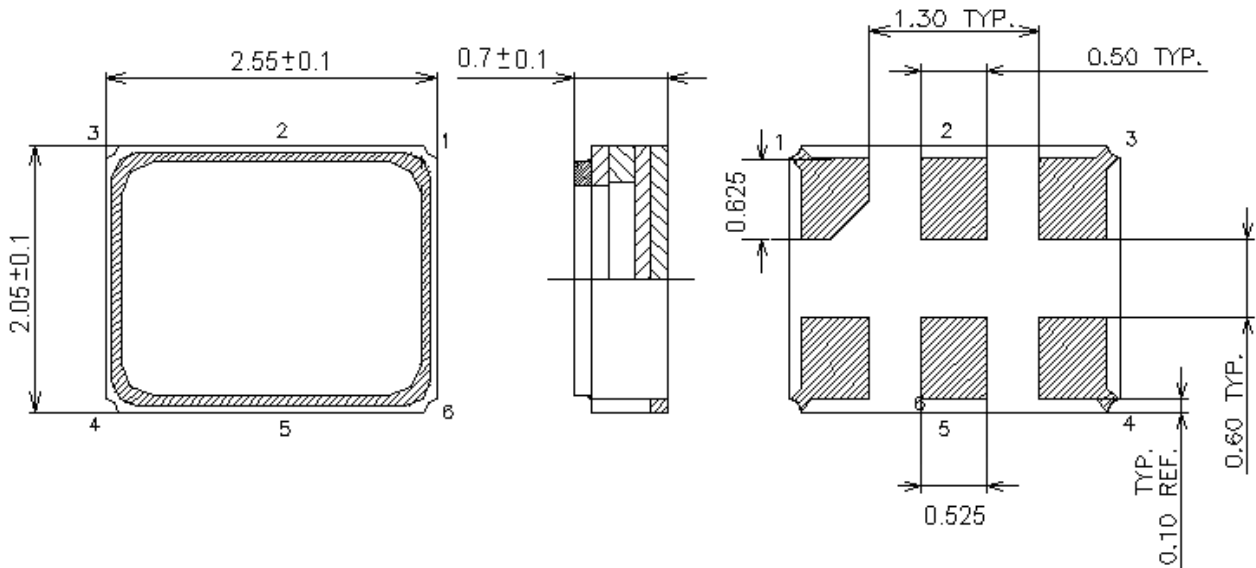
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D. MEASUREMENT CIRCUIT:



E. OUTLINE DRAWING:



*All tolerances are $\pm 0.10\mu\text{m}$

- 4: RF input
- 1, 6: RF balanced output
- 5, 2, 3: Ground

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G. 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.

