

SAW Filter 156.525MHz
Part No: MP07387

Model: TB1198A
Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device

1. Input Power Level: 10 dBm
2. DC Voltage: 5V
3. Operating Temperature: -30°C to 65°C
4. Storage Temperature: -40°C to 85°C

B. ELECTRICAL CHARACTERISTICS:

(Operating temperature: 25°C)

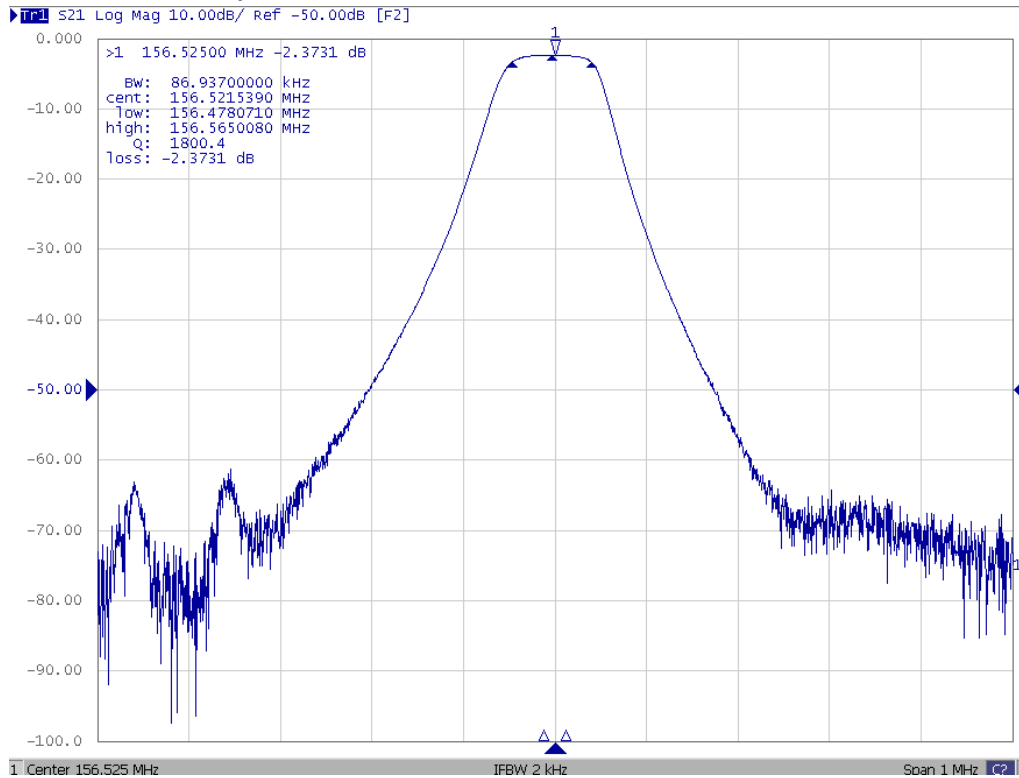
Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	156.525	-
Minimum Insertion Loss (Fc ± 12.5kHz) IL	dB	-	2.8	6.0
Passband Ripple (Fc ± 12.5kHz)	dB	-	0.1	1.0
Group delay ripple (Fc ± 12.5kHz) GD	µs	-	0.3	2.5
Attenuation: (Reference level from Min IL)				
Fc -10 ~ Fc -2MHz	dB	50	60	-
Fc -2 ~ Fc -1MHz	dB	50	60	-
Fc -1 ~ Fc -0.35MHz	dB	40	57	-
Fc -0.35 ~ Fc -0.1MHz	dB	8	20	-
Fc +0.1 ~ Fc +0.35MHz	dB	8	24	-
Fc +0.35 ~ Fc +1MHz	dB	40	57	-
Fc +1 ~ Fc +2MHz	dB	50	57	-
Fc +2 ~ Fc +10MHz	dB	40	47	-

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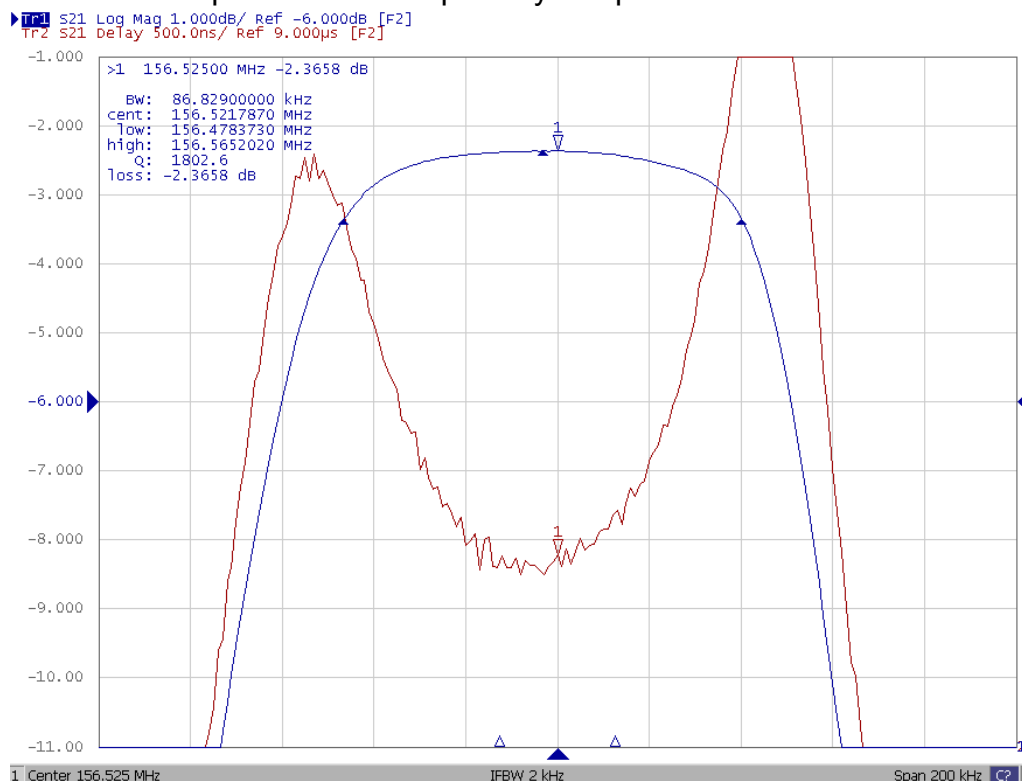
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C. FREQUENCY CHARACTERISTICS:

1. Narrow band Response:



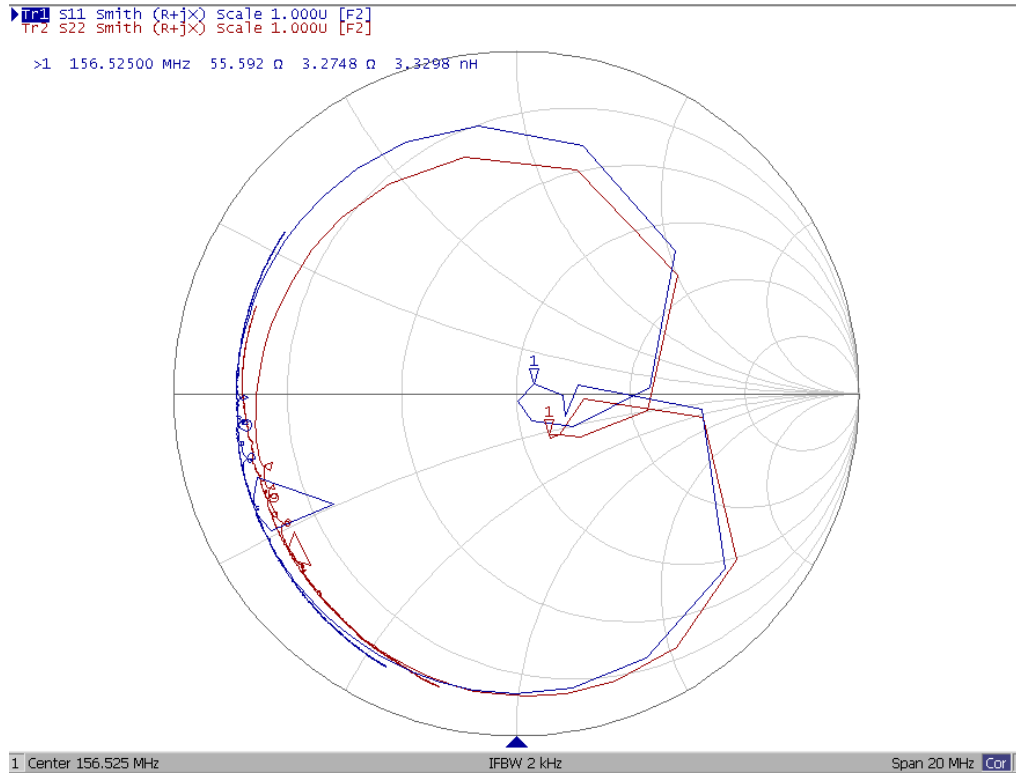
2. Pass Band Response and Group Delay Response:



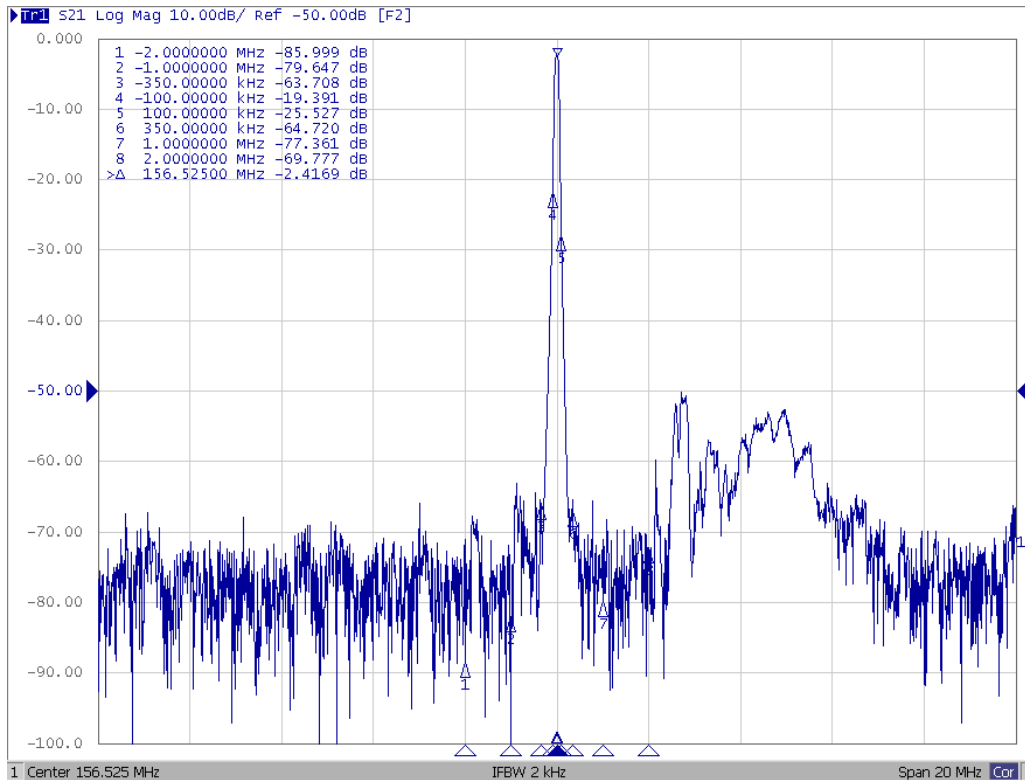
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3. Smith Chart:



4. Wide band Response:

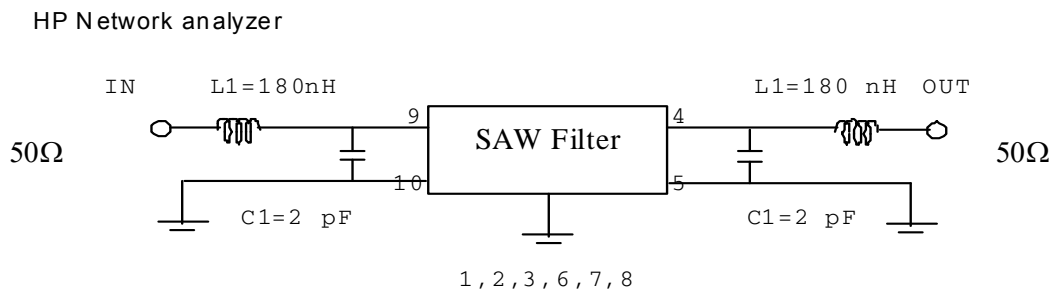


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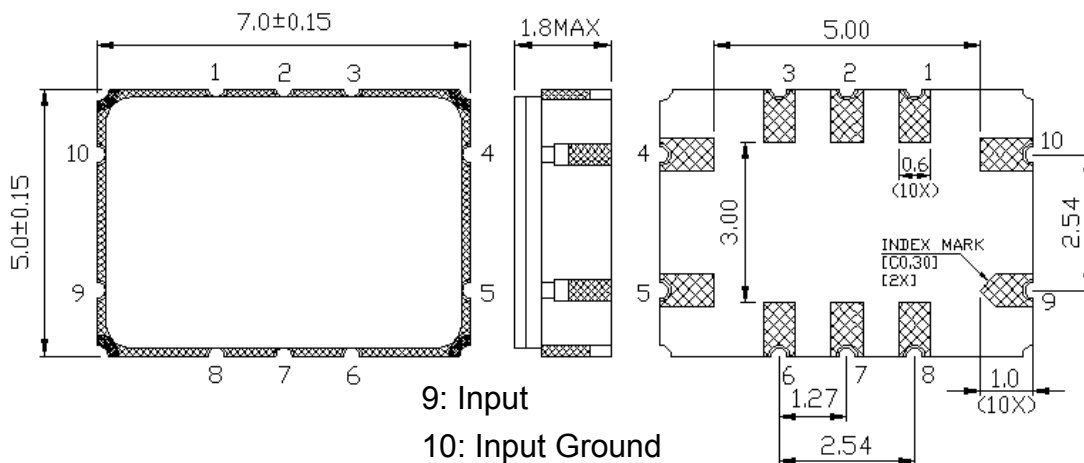
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D. MEASUREMENT CIRCUIT:

50Ohm Test circuit (single-ended / single-ended)

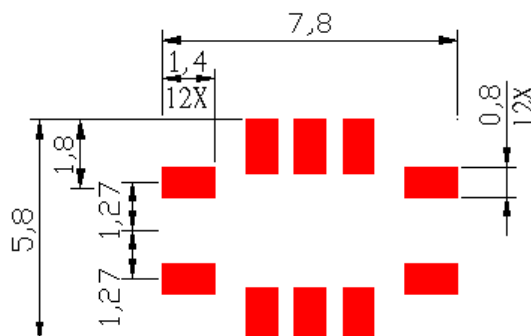


E. OUTLINE DRAWING:



- 9: Input
 - 10: Input Ground
 - 4: Output
 - 5: Output Ground
 - 1, 2, 3, 6, 7, 8: Ground
- Unit: mm

F. PCB FOOTPRINT:



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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 (20~40sec).
4. Time: 2 times.

