

SAW Filter 161.86250MHz

Model: TB1200A

Part No: MP07388

Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device

1. Operating temperature range: -40°C to 85°C
2. Storage temperature range: -40°C to 85°C
3. Input Power Level: 10dBm
4. Maximum DC Voltage: 10V

B. ELECTRICAL CHARACTERISTICS:

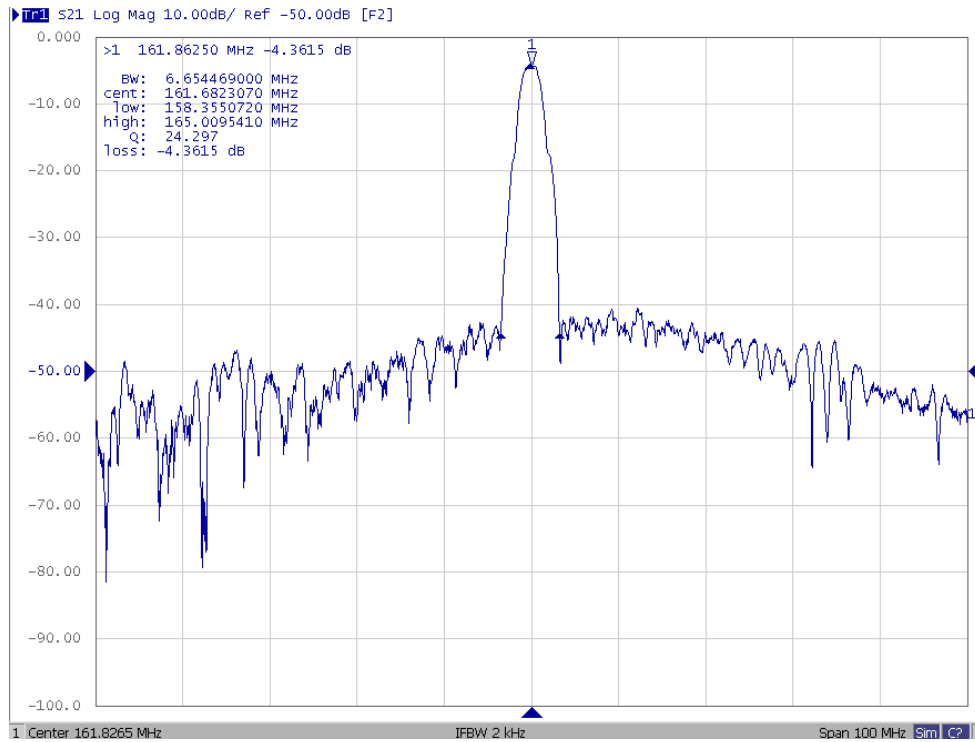
Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	161.8625	-
Insertion Loss IL	dB	-	4.1	8
-1dB bandwidth	MHz	0.3	1.6	-
-3dB bandwidth	MHz	-	2.3	-
-40dB bandwidth	MHz	-	6.7	7
Passband Ripple (Fc ± 150kHz)	dB	-	0.4	1.0
Group delay variation (Fc ± 150kHz)	ns	-	110	500
Absolute Group delay	ns	-	600	-
Attenuation (Reference IL)				
150MHz ~ 153MHz	dB	30	40	
322MHz ~ 328.65MHz	dB	35	60	
406.1MHz ~ 410MHz	dB	35	60	
Fc +100MHz ~ Fc +900MHz	dB	35	60	
Temperature Coefficient	ppm/°C	-	-23	-
Source Impedance	Ohm	-	50	-
Load Impedance	Ohm	-	50	-

SAW Filter 161.86250MHz
Part No: MP07388

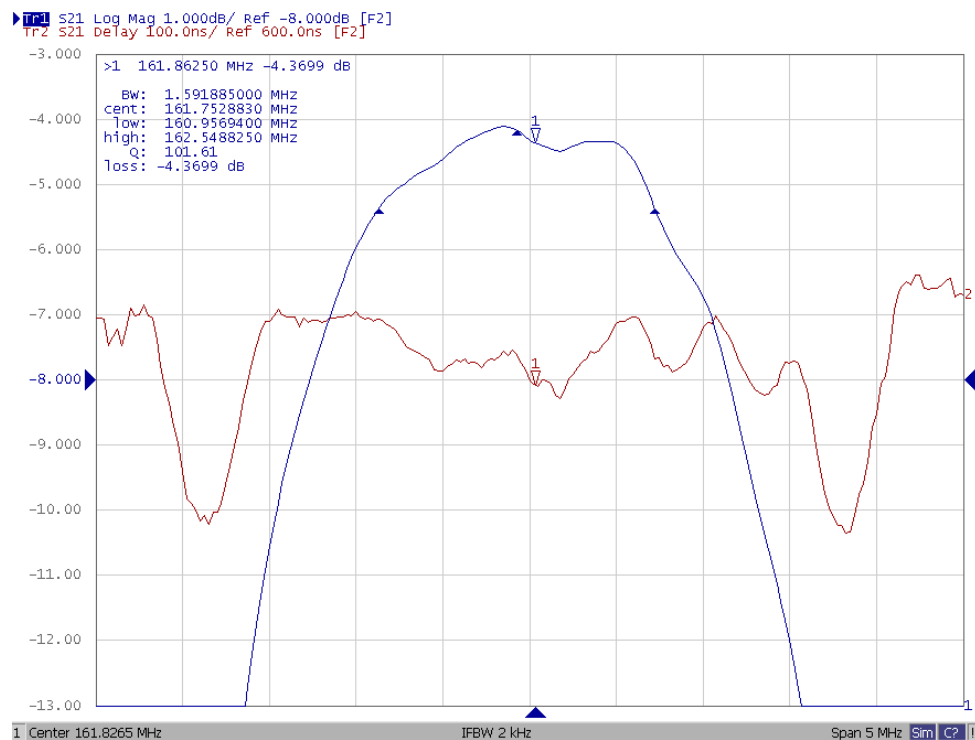
Model: TB1200A
Rev No: 1

C. FREQUENCY CHARACTERISTICS:

1. Narrow Band Response:



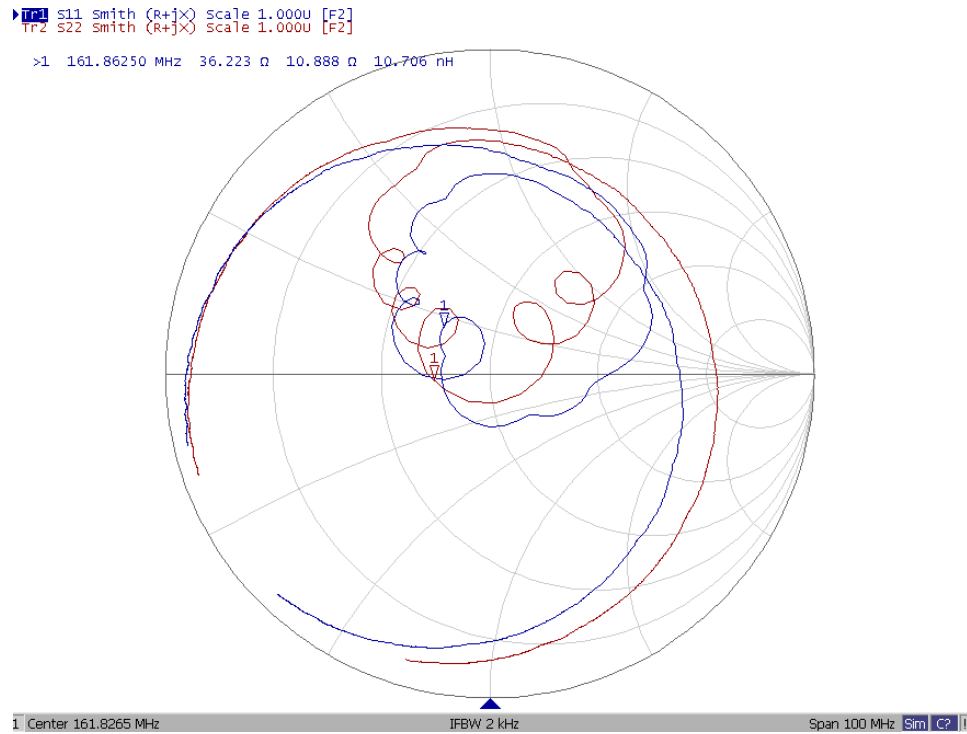
2. Pass Band Response and Group Time Delay Response:



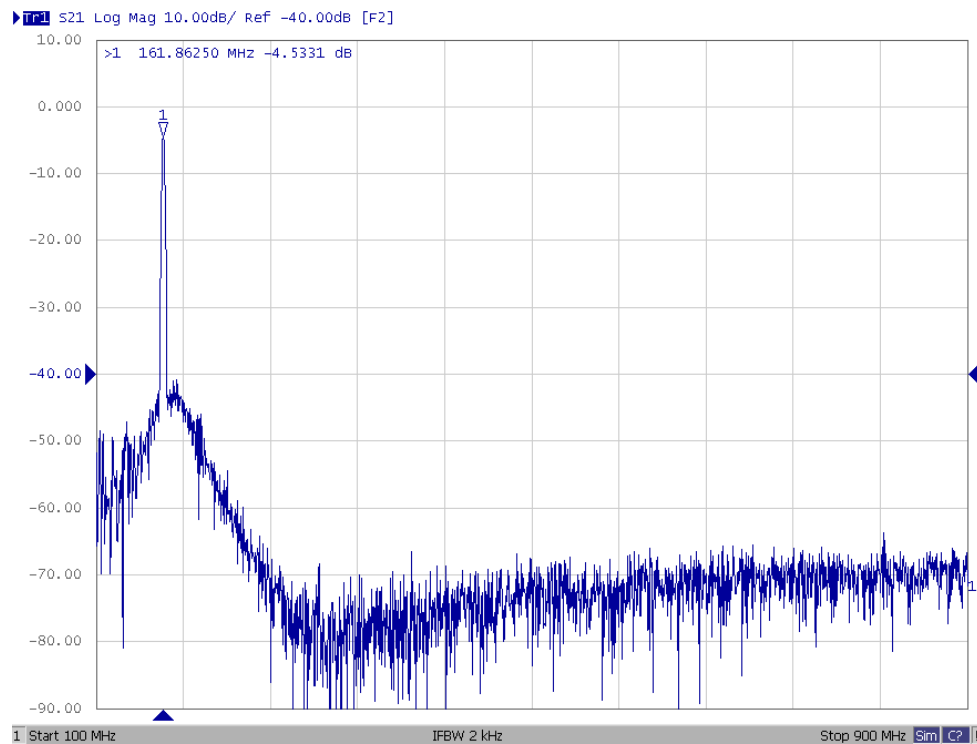
SAW Filter 161.86250MHz
Part No: MP07388

Model: TB1200A
Rev No: 1

3. Smith Chart:



4. Wide Band Response:



Model: TB1200A
Rev No: 1

SAW Filter 161.86250MHz

Model: TB1200A

Part No: MP07388

Rev No: 1

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.

