

SAW Filter 106.0MHz

Model: TB0894A

Part No: MP05707

Rev No: 1

A. MAXIMUM RATING:

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. CHARACTERISTICS:

Ambient Temperature: 25°C

Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	106	-
Insertion Loss IL	dB	-	23	27
-1.5dB bandwidth	MHz	15.0	16.0	-
-40dB bandwidth	MHz	-	17.5	18.6
Passband Ripple Fc ± 5MHz	MHz	-	0.6	1.0
Group Delay Variation Fc ± 5MHz	nsec	-	50	120
Absolute Delay	usec	-	2.2	2.7
Temp. Coefficient	ppm/°C	-	-94	-
Source Impedance	Ohm	-	50	-
Load Impedance	Ohm	-	50	-

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C. FREQUENCY CHARACTERISTICS:

1. Wide band Response: (span 100MHz)

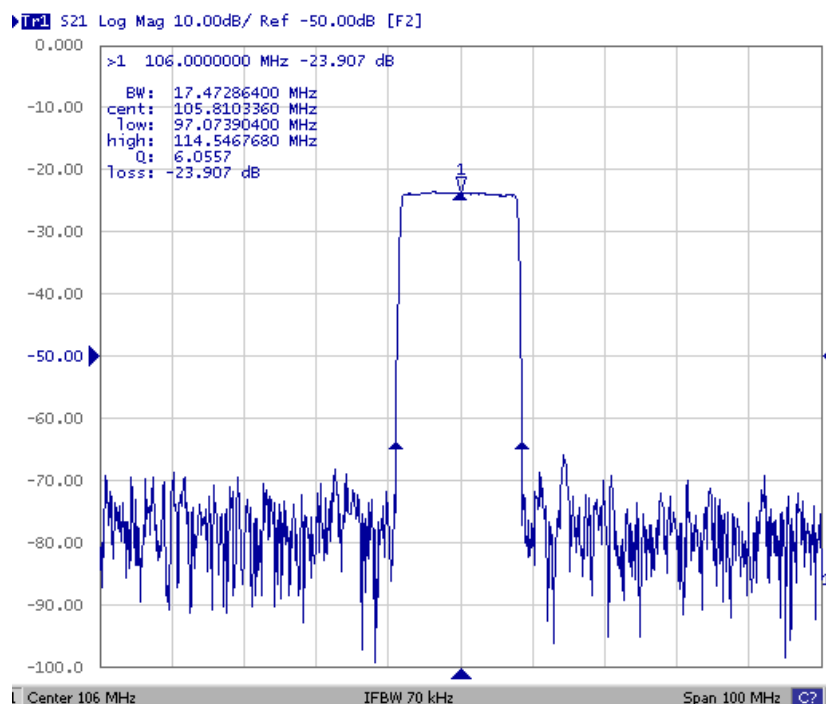


Fig. 1. Horizontal: 10MHz/Div, Vertical: 10dB/Div

2. Pass band Response and Group Delay Response:

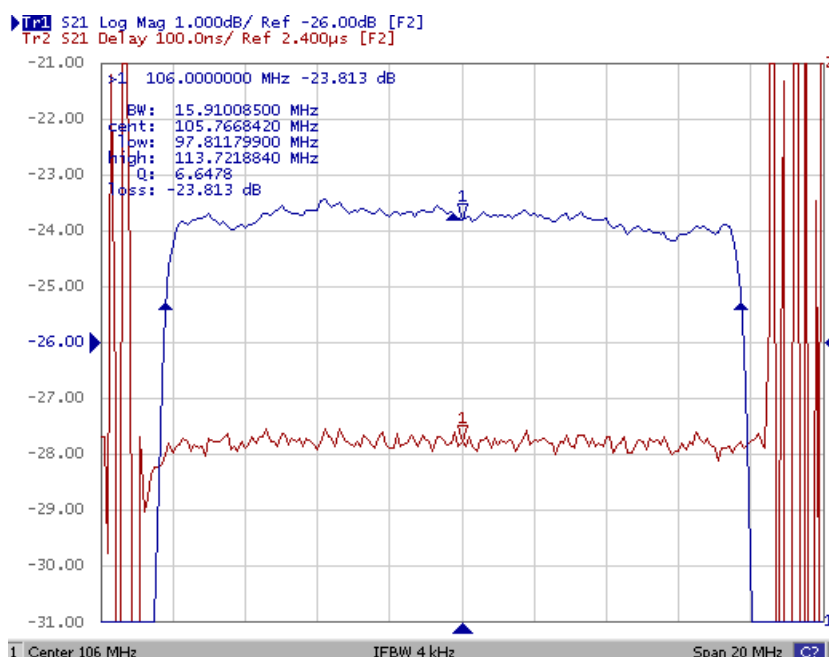
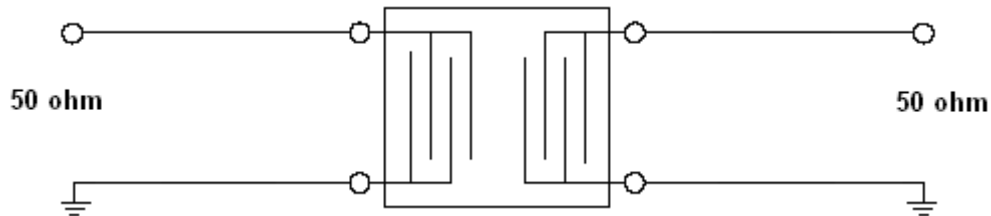


Fig. 2. Horizontal: 2MHz/Div, Vertical: 1dB/Div, Vertical: 100ns/Div

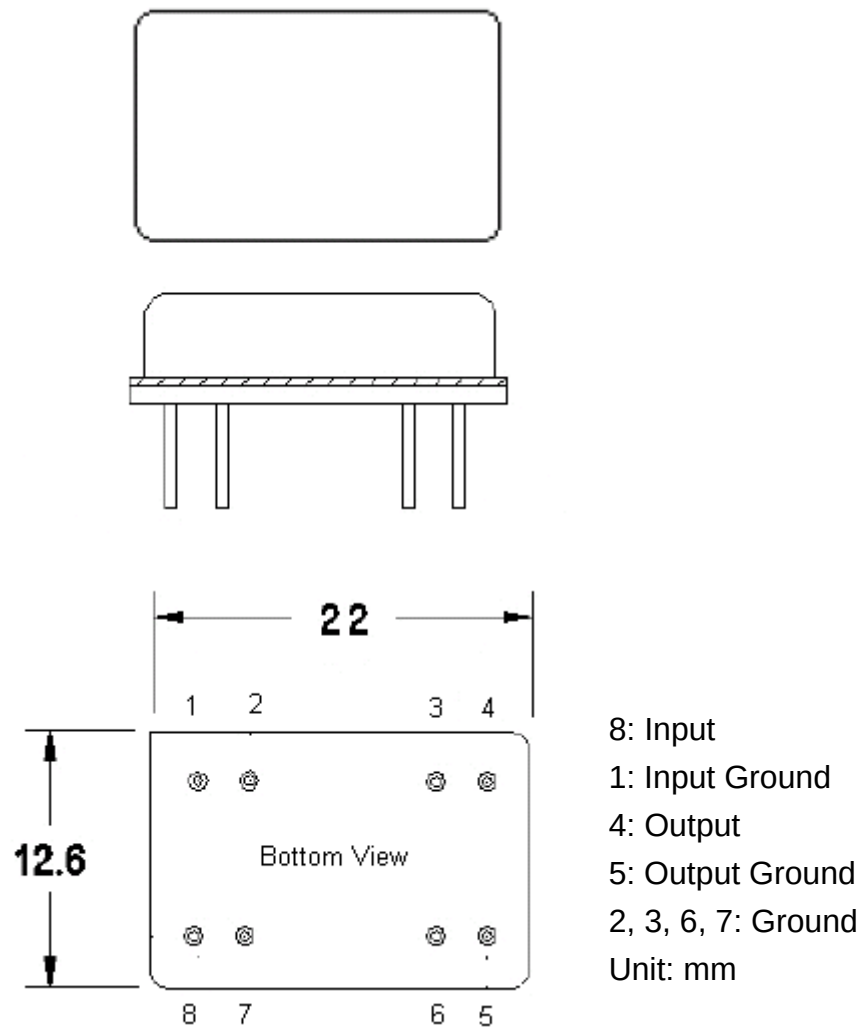
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D. MATCHING CIRCUIT:



E. OUTLINE DRAWING:



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F. RECOMMENDED REFLOW PROFILE:

