

173.075 MHz SAW Filter

Model: TB0485A

Part No: MA08914

REV NO.: 1

A. MAXIMUM RATING:

1. Input Power Level: 15 dBm
2. DC Voltage : 5V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -50°C to +95°C

B. ELECTRICAL CHARACTERISTICS:

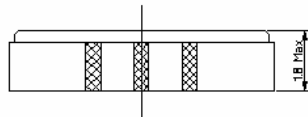
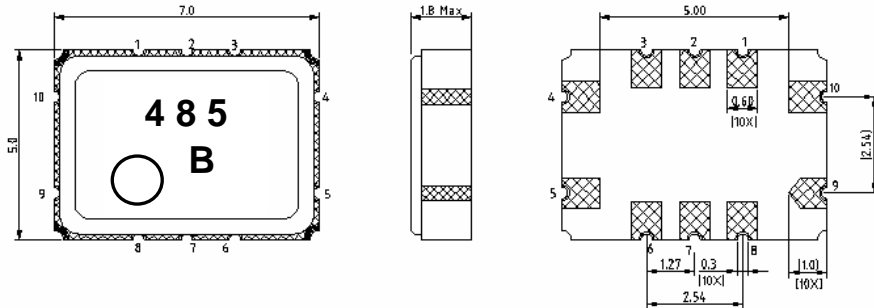
Item	Unit	Min.	Type.	Max.	Note
Center frequency Fc	MHz	-	173.075	-	-
Insertion loss at center frequency ILc	dB	-	3.7	7.0	-
Ripple (173.0675 ~ 173.0825 MHz)	dB	-	±0.3	±1	-
Attenuation (relative to ILc)					
172.075 ~ 172.19 MHz	dB	30	50	-	-
172.19 ~ 172.975 MHz	dB	7	20	-	-
173.175 ~ 173.96 MHz	dB	7	20	-	-
173.96 ~ 174.075 MHz	dB	30	50	-	-
Temperature coefficient of frequency TCf	-0.034 ppm/C ²				

Note1. Considering -22 KHz frequency shift from -40°C to +85°C

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C. OUTLINE DRAWING:

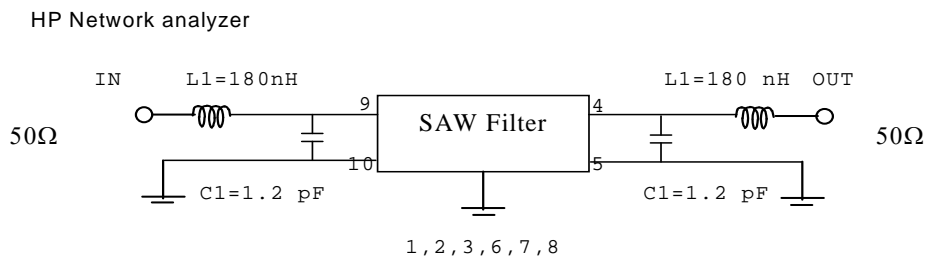


Pin configuration

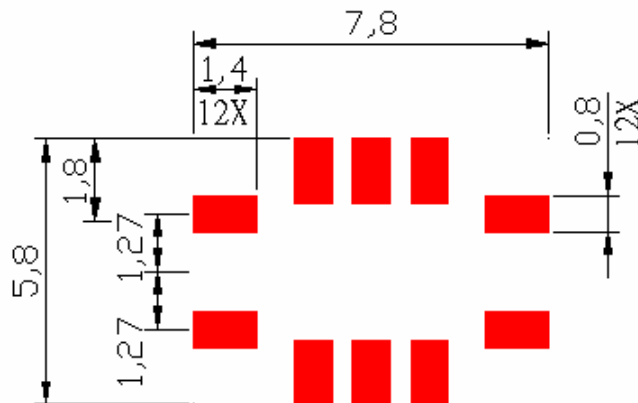
- #9 Input
 - #4 Output
 - #10 Balance input or input ground
 - #5 Balance output or output ground
 - #1,2,3,6,7,8 To be grounded
- Unit mm

D. MEASUREMENT CIRCUIT:

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



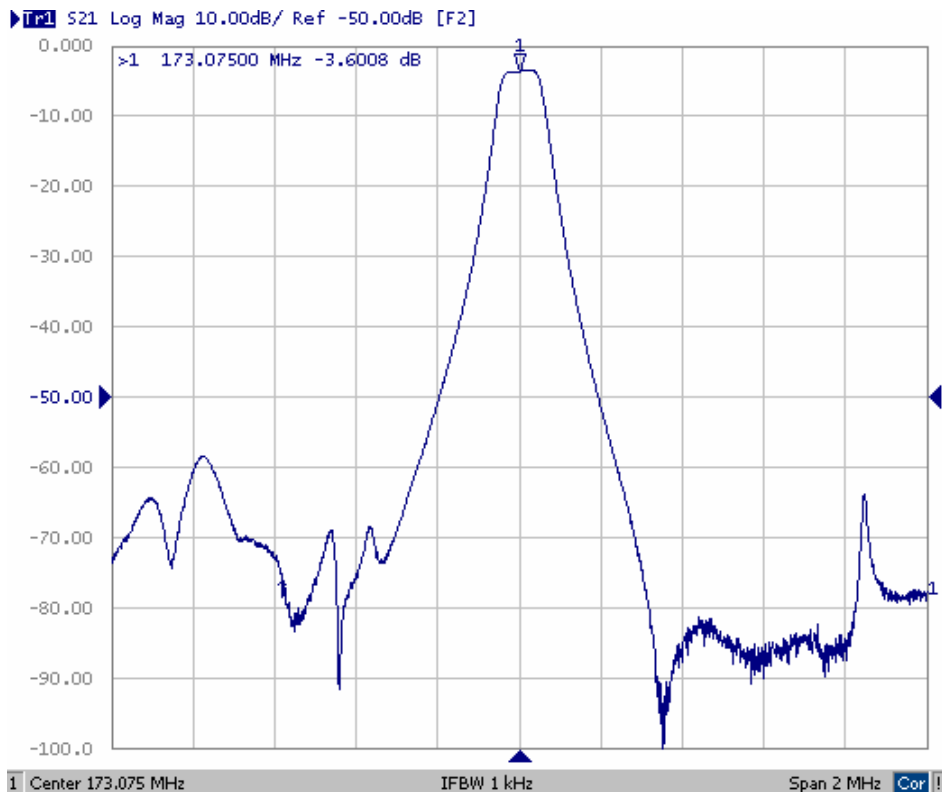
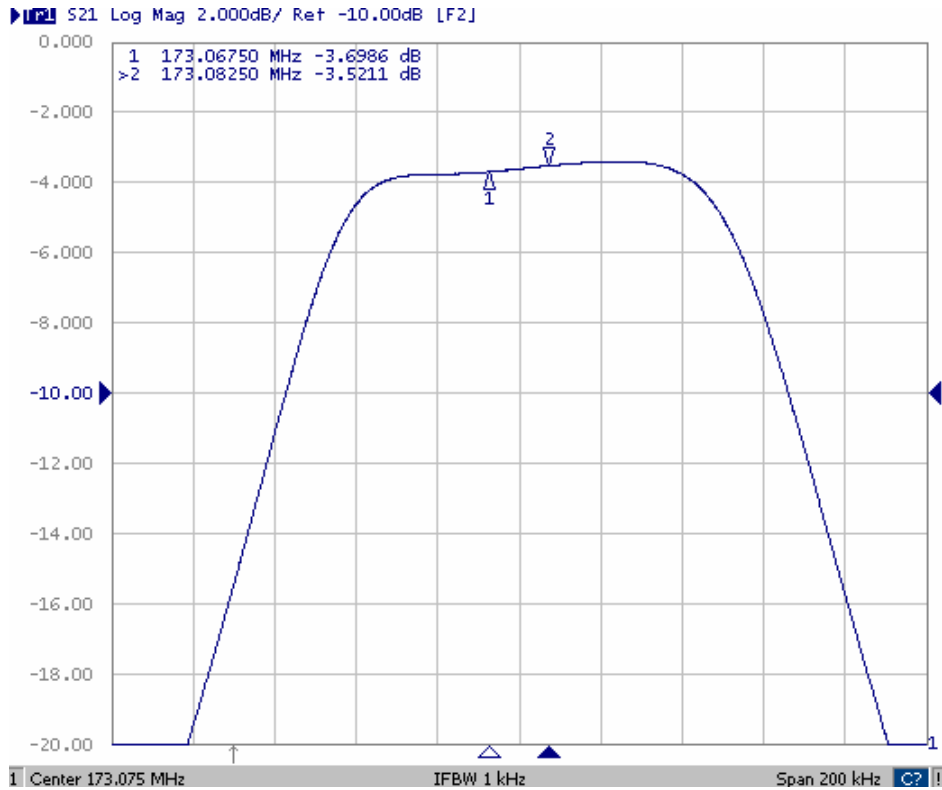
E. PCB FOOTPRINT:



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F. FREQUENCY CHARACTERISTICS:



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H. RECOMMENDED REFLOW PROFILE :

