

SAW Filter 300MHz

Model: TB0633A

Part No: MP01606

Rev No: 1

A. MAXIMUM RATING:

1. Input Power Level: 20dBm
2. DC Voltage: 5V
3. Operating Temperature: 0°C to +80°C
4. Storage Temperature: -40°C to +85°C

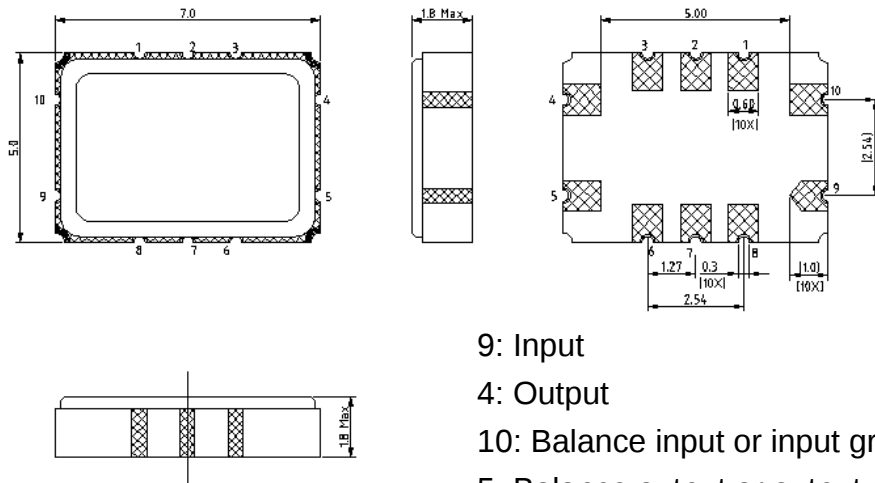
B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
Center frequency Fc	MHz	-	300	-	-
Min Insertion loss (Fc $\pm$ 50kHz) ILc	dB	-	3.7	7.0	-
Passband Ripple (Fc $\pm$ 50kHz)	dB	-	0.4	2	-
Return Loss (Fc $\pm$ 50kHz) RL	dB	9.4	13.5	-	-
Attenuation (relative to ILc)					
Fc -25 to Fc -1-1.6MHz	dB	50	62	-	-
Fc -1.6 to Fc -0.6MHz	dB	28	62	-	-
Fc +0.6 to Fc +1.6MHz	dB	28	53	-	-
Fc +1.6 to Fc +25MHz	dB	50	57	-	-
Temperature coefficient of frequency TCf	-0.033 ppm / C ²				

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C. OUTLINE DRAWING:

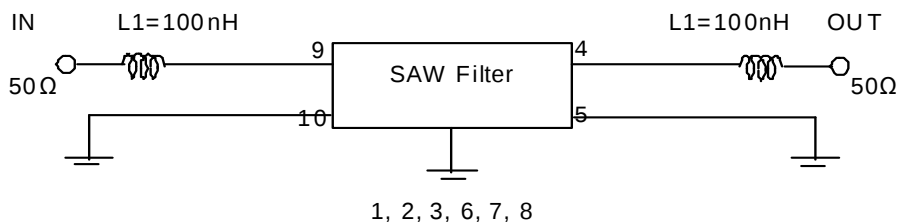


- 9: Input
 - 4: Output
 - 10: Balance input or input ground
 - 5: Balance output or output ground
 - 1, 2, 3, 6, 7, 8: To be grounded
- Unit: mm

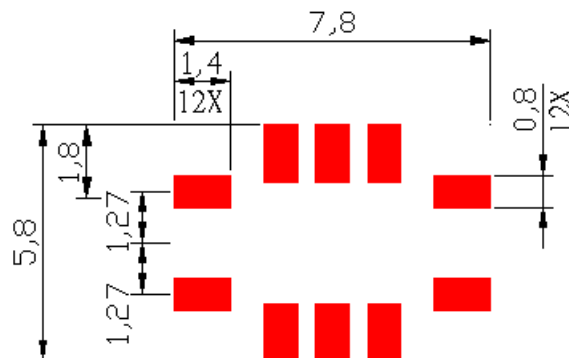
D. MEASUREMENT CIRCUIT:

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

HP Network analyzer



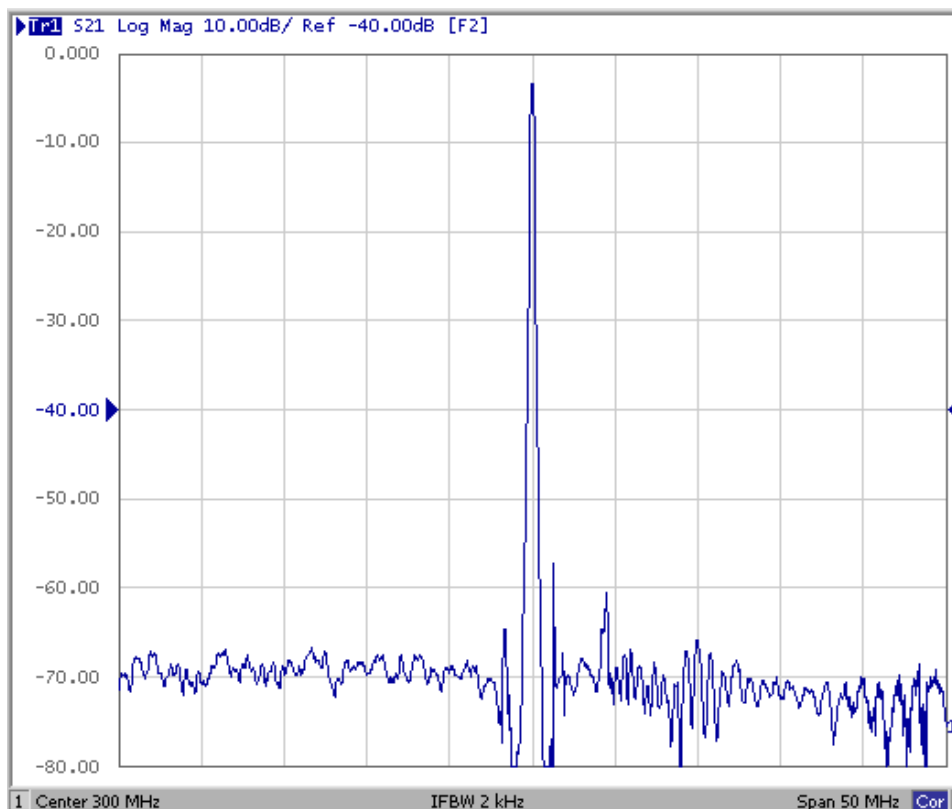
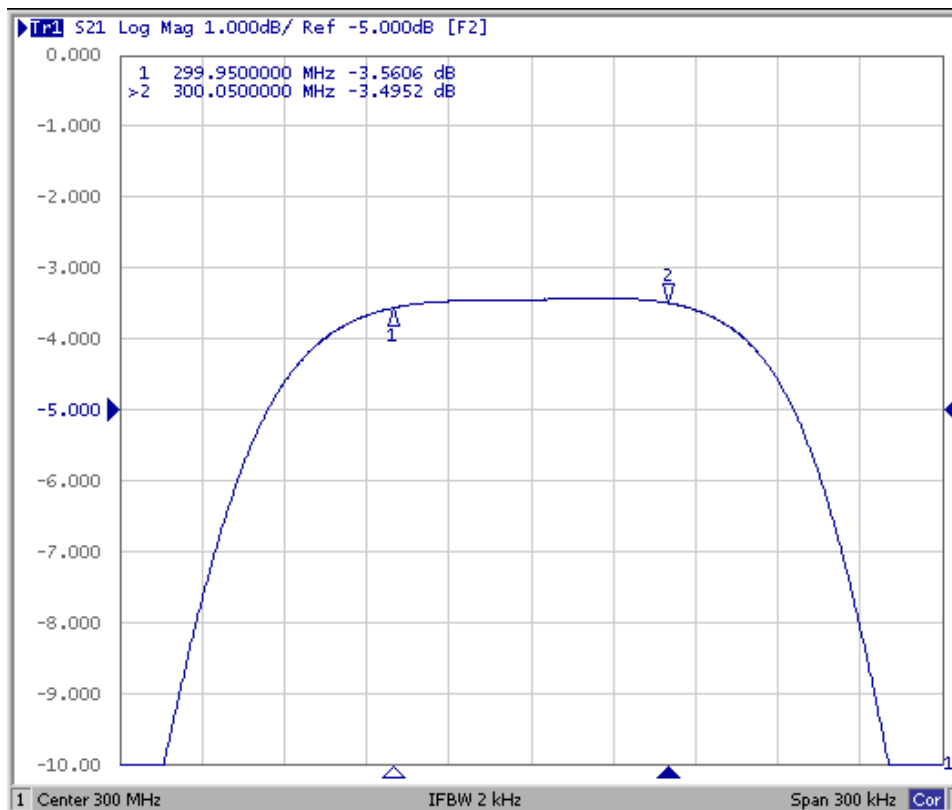
E. PCB FOOTPRINT:



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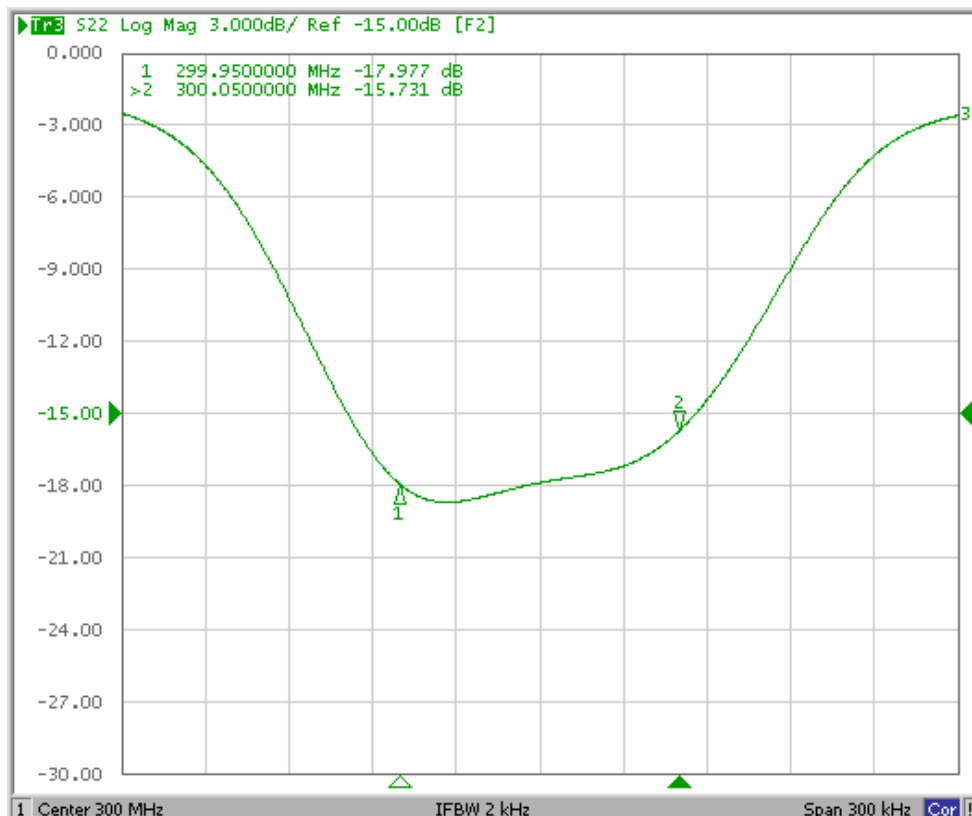
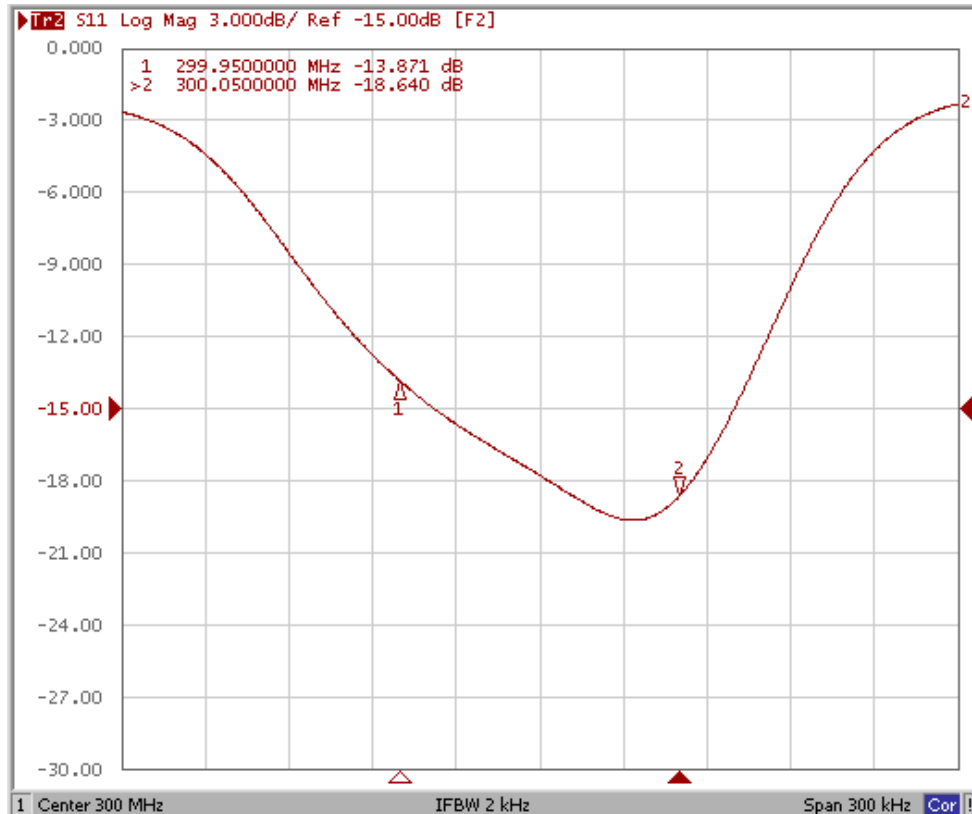
F. FREQUENCY CHARACTERISTICS:



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Reflection Functions



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H. RECOMMENDED REFLOW PROFILE:

