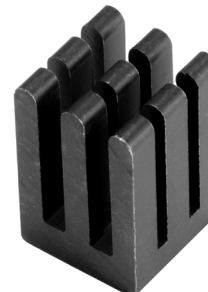


**MODEL:** HSB03-121218 | **DESCRIPTION:** HEAT SINK

**FEATURES**

- BGA design
- small footprint
- aluminum alloy
- black anodized finish



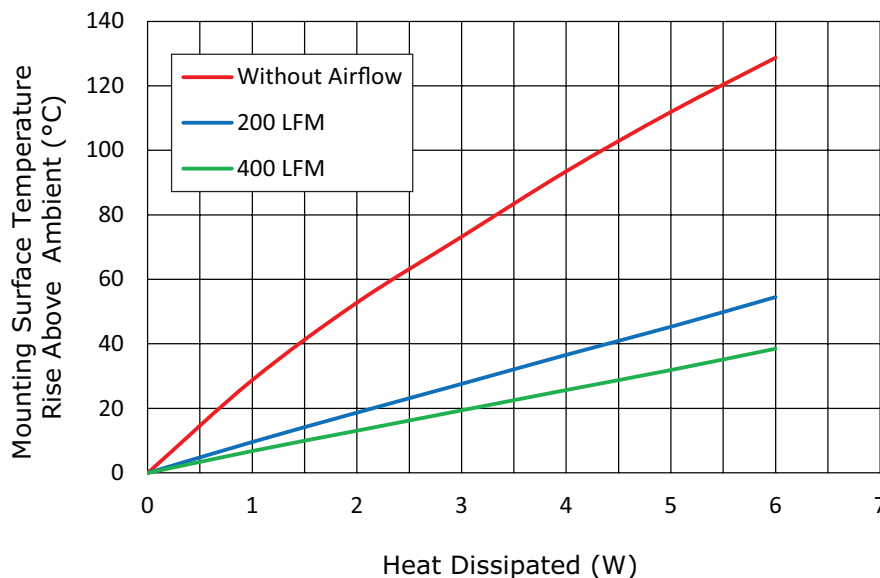
**MODEL**

HSB03-121218	thermal resistance <sup>1</sup>			power dissipation <sup>1</sup> @ 75°C ΔT, nat conv [W]
	@ 75°C ΔT, nat conv [°C/W]	@ 1 W, nat conv [°C/W]	@ 1 W, 200 LFM [°C/W]	
	24.01	28.8	9.6	3.12

Note: 1. See performance curves for full thermal resistance details.

**PERFORMANCE CURVES**

Power (W)	Heatsink Temperature Rise Above Ambient (ΔT = T <sub>hs</sub> - T <sub>a</sub> ) [°C]		
	Natural Conv.	200 LFM	400 LFM
0	0	0	0
1	28.8	9.6	6.8
2	52.8	18.7	13.1
3	73.2	27.6	19.4
4	93.5	36.6	25.7
5	111.9	45.3	31.9
6	128.7	54.5	38.5

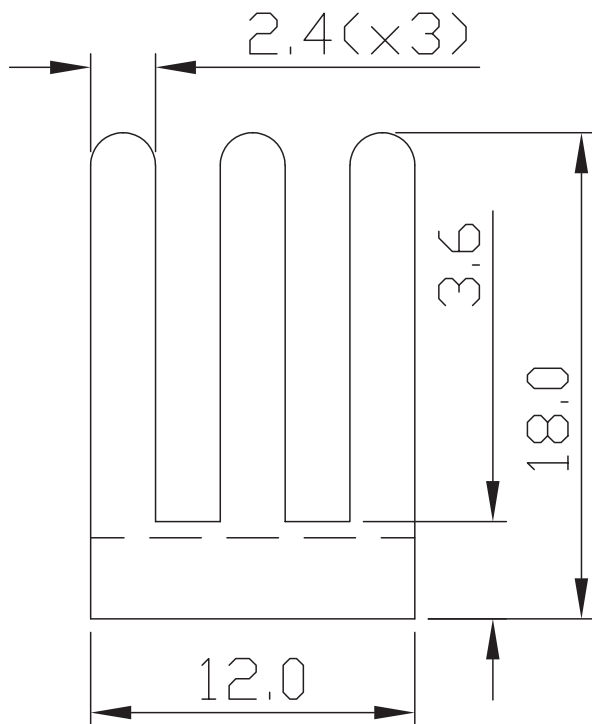
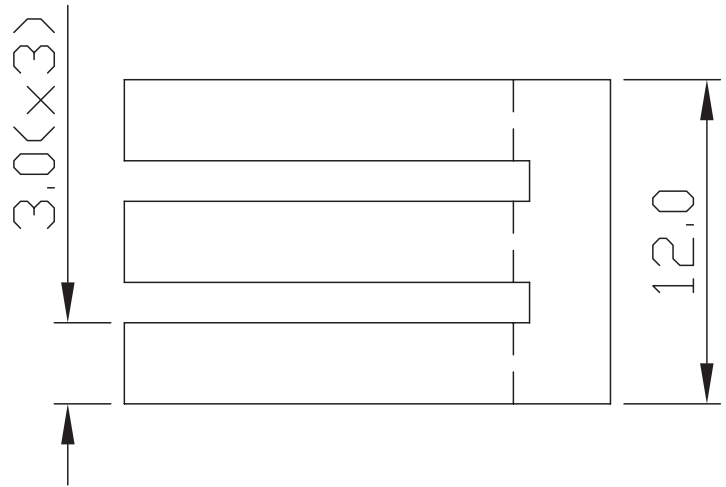
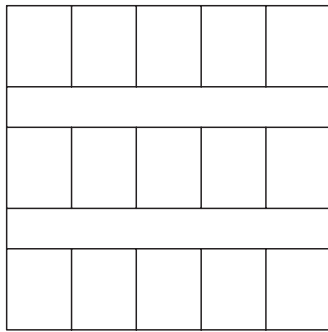


T<sub>hs</sub>: "hot spot" temperature measured on the heatsink  
T<sub>a</sub>: ambient temperature

## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.38$  mm

MATERIAL	AL 6063-T5
FINISH	black anodized
WEIGHT	3.8 g



## REVISION HISTORY

rev.	description	date
1.0	initial release	06/24/2021
1.01	logo, datasheet style update	08/05/2022

The revision history provided is for informational purposes only and is believed to be accurate.



CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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