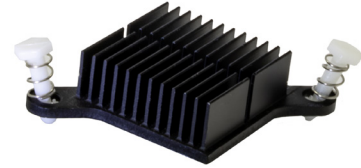


**MODEL:** HSB40-252510P | **DESCRIPTION:** HEAT SINK**FEATURES**

- BGA design
- push pins
- aluminum alloy
- black anodized finish

**MODEL**

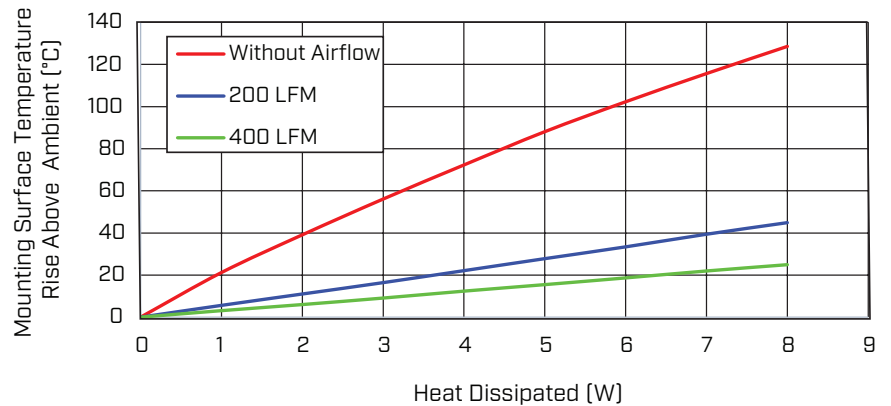
	thermal resistance ¹				power dissipation ¹
	@ 75°C ΔT , nat conv [°C/W]	@ 1 W, nat conv [°C/W]	@ 1 W, 200 LFM [°C/W]	@ 1 W, 400 LFM [°C/W]	@ 75°C ΔT , nat conv [W]
HSB40-252510P	18.04	21.2	5.6	3.1	4.16

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

PERFORMANCE CURVES

Power [W]	Heatsink Temperature Rise Above Ambient ($\Delta T = T_{hs} - T_a$) [°C]		
	Natural Conv.	200 LFM	400 LFM
0	0	0	0
1	21.2	5.6	3.1
2	39.1	11.0	6.0
3	56.1	16.4	9.1
4	72.3	22.1	12.4
5	88.1	27.8	15.5
6	102.3	33.4	18.7
7	115.7	39.4	22.0
8	128.6	44.9	25.0

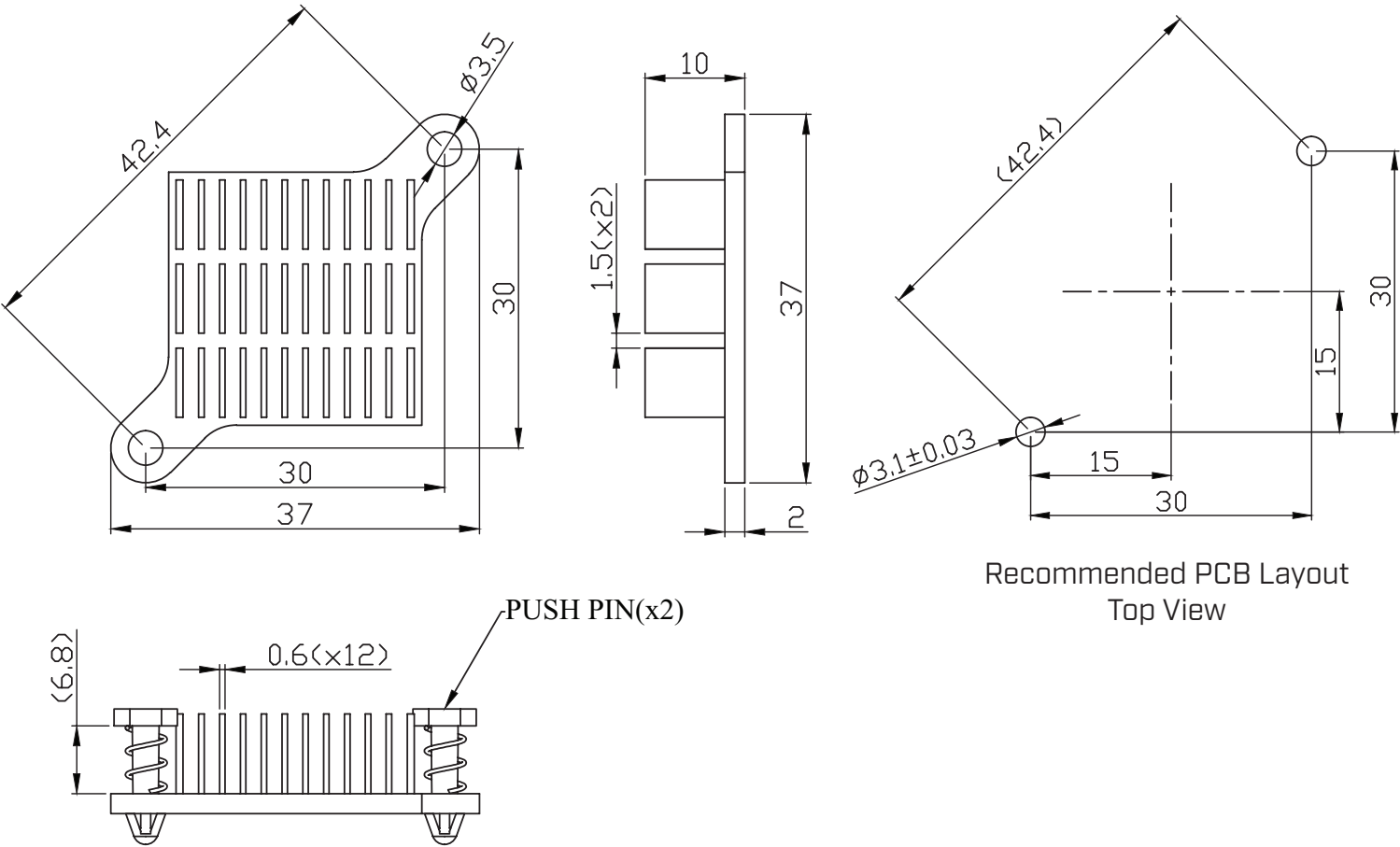
T_{hs} : "hot spot" temperature measured on the heatsink
 T_a : ambient temperature



MECHANICAL DRAWING

units: mm
tolerance: ±0.50 mm

MATERIAL	AL 6063-T5
FINISH	black anodized
PUSH PIN	nylon 66
SPRING	spring steel, zinc plated
WEIGHT	7 g



REVISION HISTORY

rev.	description	date
1.0	initial release	03/01/2024
1.01	CUI Devices rebranded to Same Sky	09/12/2024
1.02	added recommended PCB layout	03/18/2025
1.03	modified design	06/10/2025

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



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

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