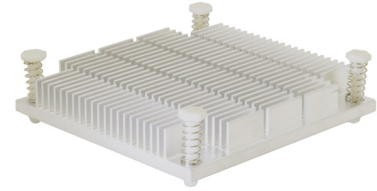


**MODEL:** HSB44-606010P | **DESCRIPTION:** HEAT SINK**FEATURES**

- BGA design
- push pins
- aluminum alloy
- clean finish

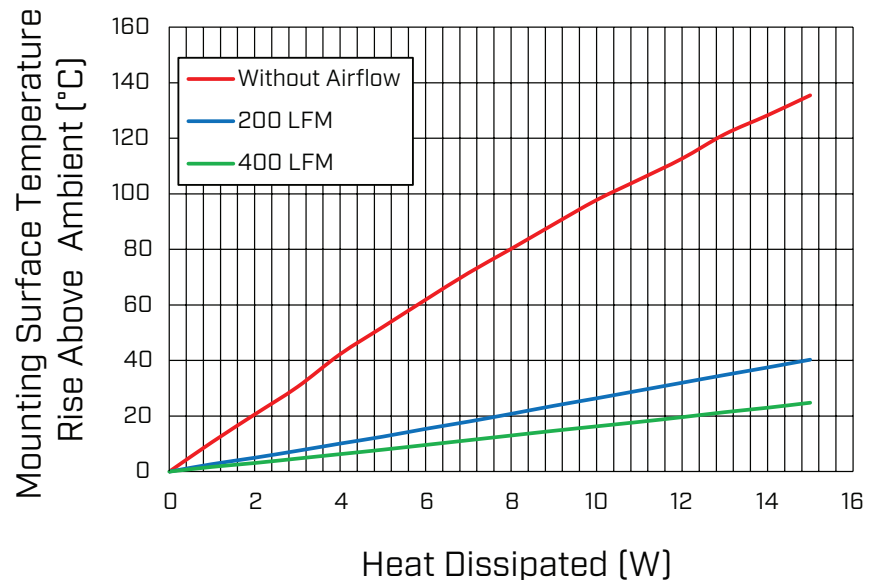
**MODEL**

	thermal resistance ¹				power dissipation ¹ @ 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]	@ 1 W, 400 LFM [°C/W]	
HSB44-606010P	10.09	10.6	2.7	1.7	7.43

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

PERFORMANCE CURVES

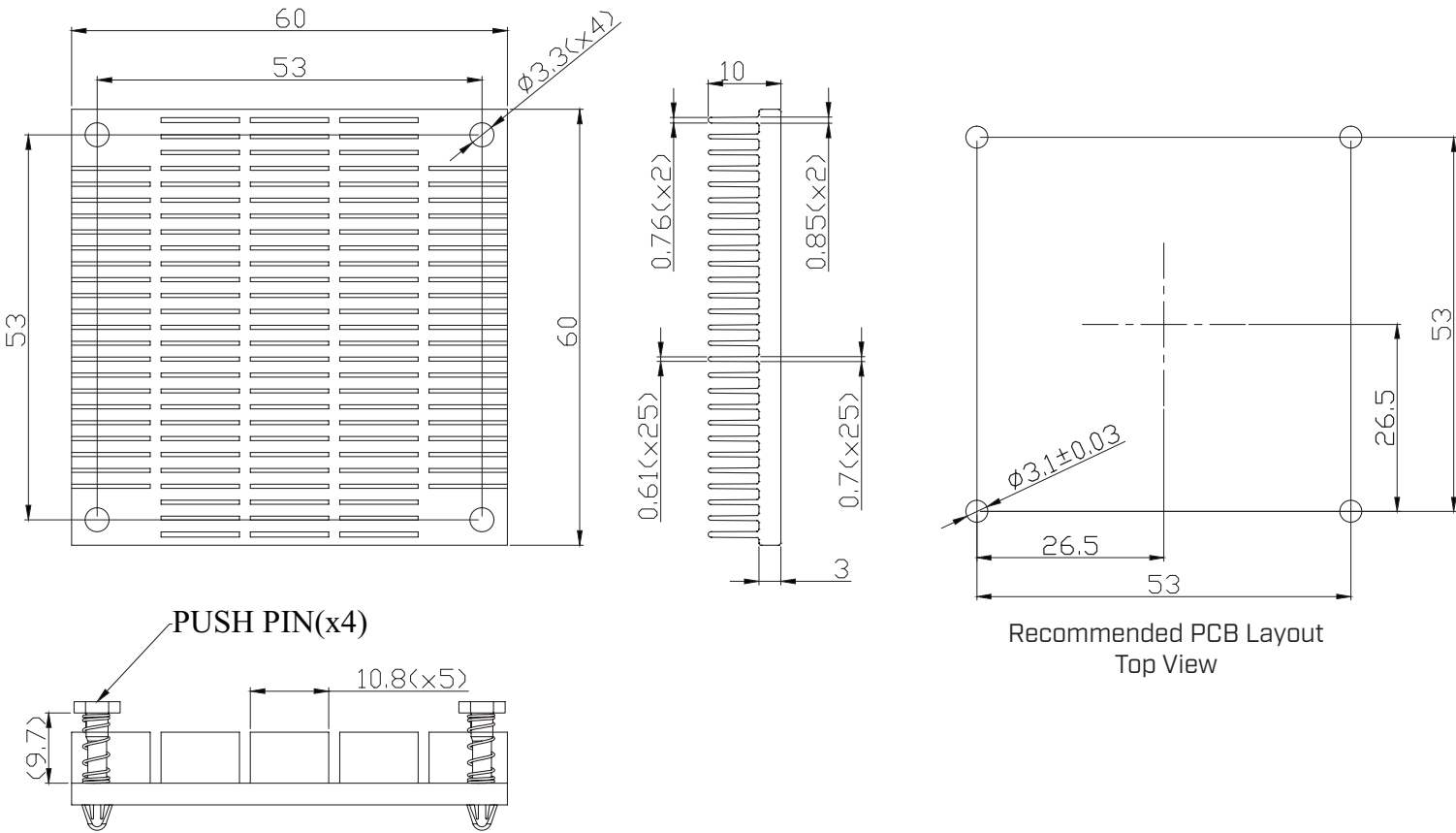
Power [W]	Heatsink Temperature Rise Above Ambient (ΔT = Ths - Ta) [°C]		
	Natural Conv.	200 LFM	400 LFM
0	0	0	0
1	10.6	2.7	1.7
2	20.6	5.0	3.1
3	30.5	7.5	4.7
4	42.3	10.1	6.3
5	52.1	12.6	7.9
6	61.9	15.4	9.6
7	71.5	18.0	11.3
8	80.2	20.8	13.0
9	89.1	23.7	14.7
10	97.8	26.4	16.3
11	105.2	29.2	17.9
12	112.7	32.0	19.6
13	121.5	34.8	21.4
14	128.3	37.5	23.0
15	135.5	40.3	24.8

Ths: "hot spot" temperature measured on the heatsink
Ta: ambient temperature

MECHANICAL DRAWING

units: mm
tolerance: ±0.50 mm

MATERIAL	AL 6063-T5
FINISH	clean
PUSH PIN	nylon 66
SPRING	spring steel, zinc plated
WEIGHT	50 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	03/19/2025

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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Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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