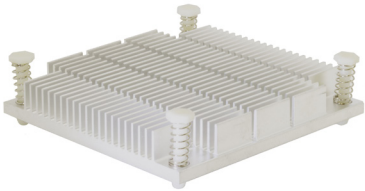


MODEL: HSB44-606010P | DESCRIPTION: HEAT SINK

FEATURES

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



MODEL

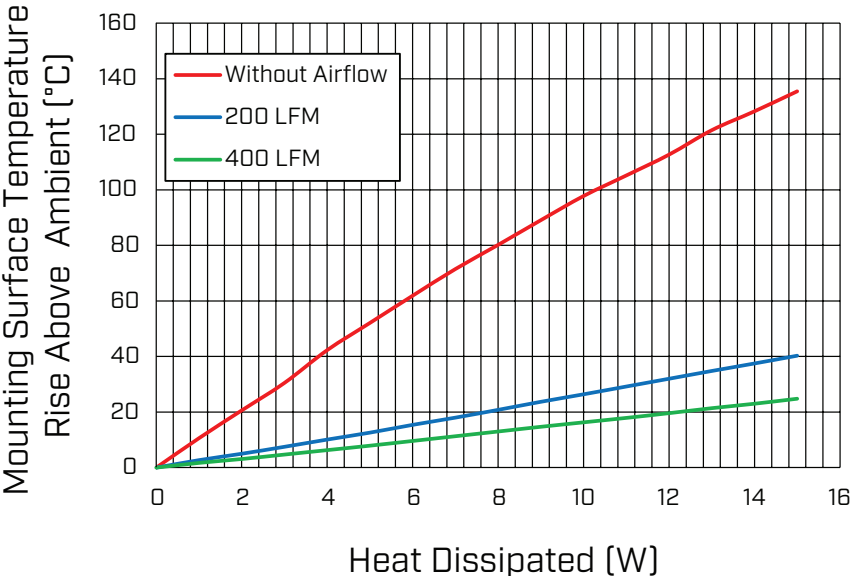
	thermal resistance ¹				power dissipation ¹
	@ 75°C ΔT, nat conv [°C/W]	@ 1 W, nat conv [°C/W]	@ 1 W, 200 LFM [°C/W]	@ 1 W, 400 LFM [°C/W]	@ 75°C ΔT, nat conv [W]
HSB44-606010P	10.09	10.6	2.7	1.7	7.43

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

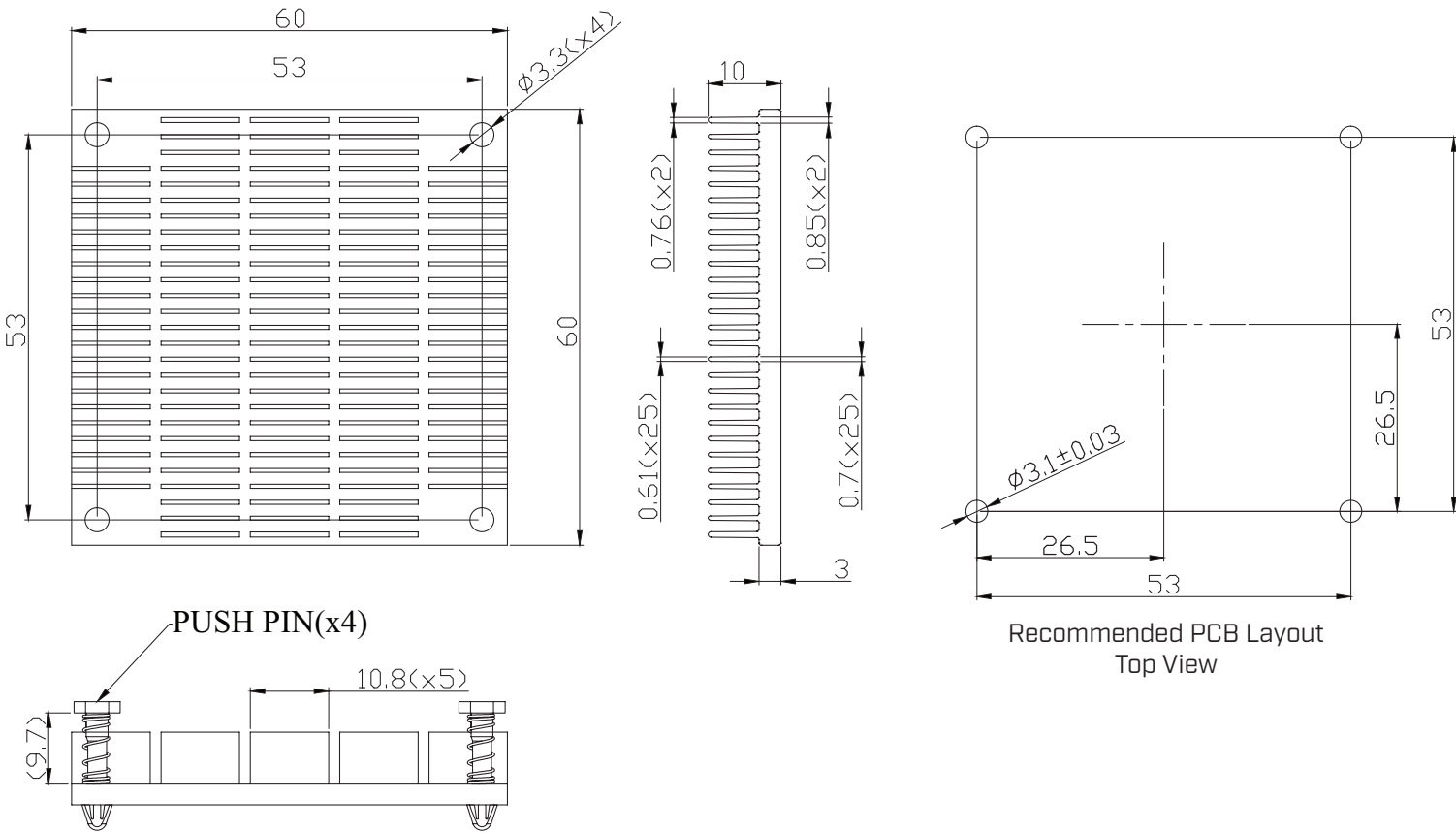
Ths: "hot spot" temperature measured on the heatsink
Ta: ambient temperature



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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