



MODEL: HSB43-454515P | **DESCRIPTION:** HEAT SINK

FEATURES

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



MODEL

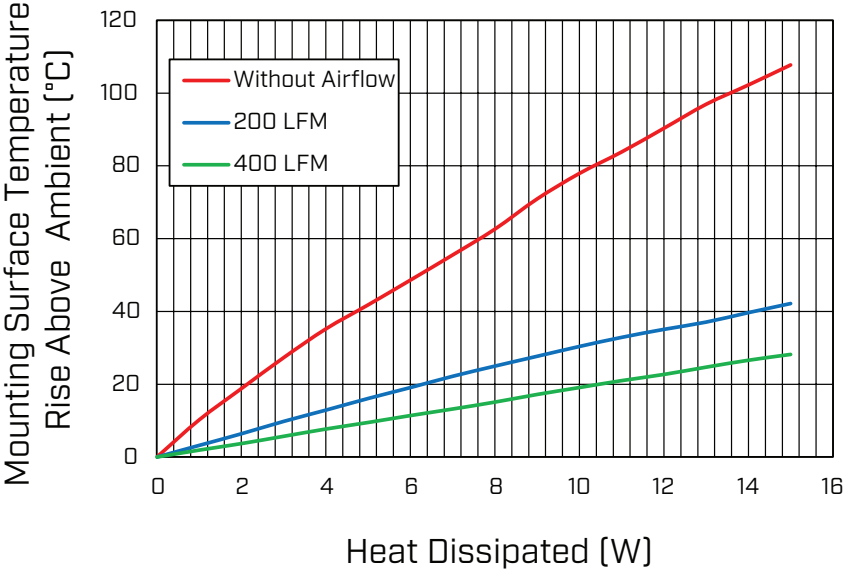
	thermal resistance ¹				power dissipation ¹
	@ 75°C ΔT, nat conv [°C/W]	@ 1 W, nat conv [°C/W]	@ 1 W, 200 LFM [°C/W]	@ 1 W, 400 LFM [°C/W]	@ 75°C ΔT, nat conv [W]
HSB43-454515P	7.77	10.2	3.2	1.9	9.65

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

PERFORMANCE CURVES

Power [W]	Heatsink Temperature Rise Above Ambient (ΔT = T _{hs} - T _a) [°C]		
	Natural Conv.	200 LFM	400 LFM
0	0	0	0
1	10.2	3.2	1.9
2	18.8	6.4	3.7
3	27.3	9.8	5.7
4	35.2	12.9	7.7
5	41.8	16.1	9.5
6	48.6	19.1	11.4
7	55.5	22.2	13.2
8	62.6	25.0	15.1
9	70.9	27.7	17.2
10	77.9	30.4	19.1
11	83.8	32.9	21.0
12	90.3	35.1	22.7
13	96.9	37.1	24.7
14	102.2	39.7	26.6
15	107.7	42.2	28.2

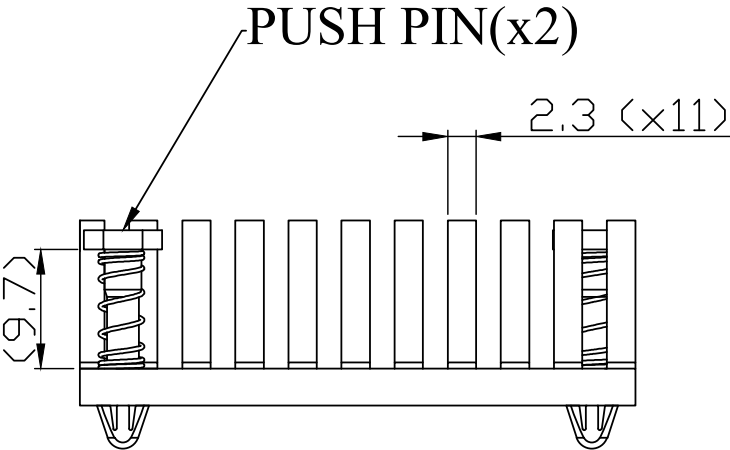
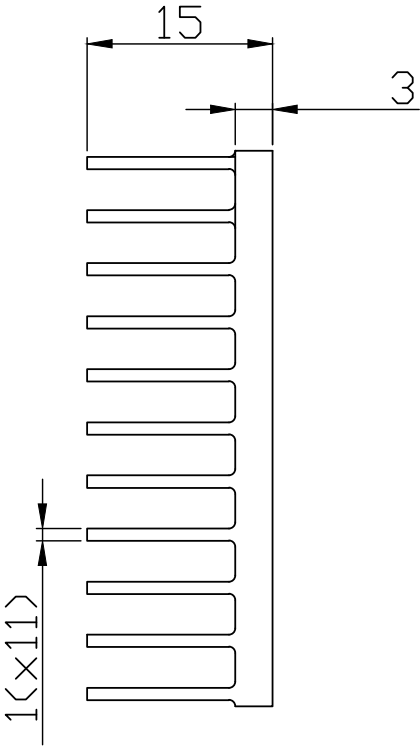
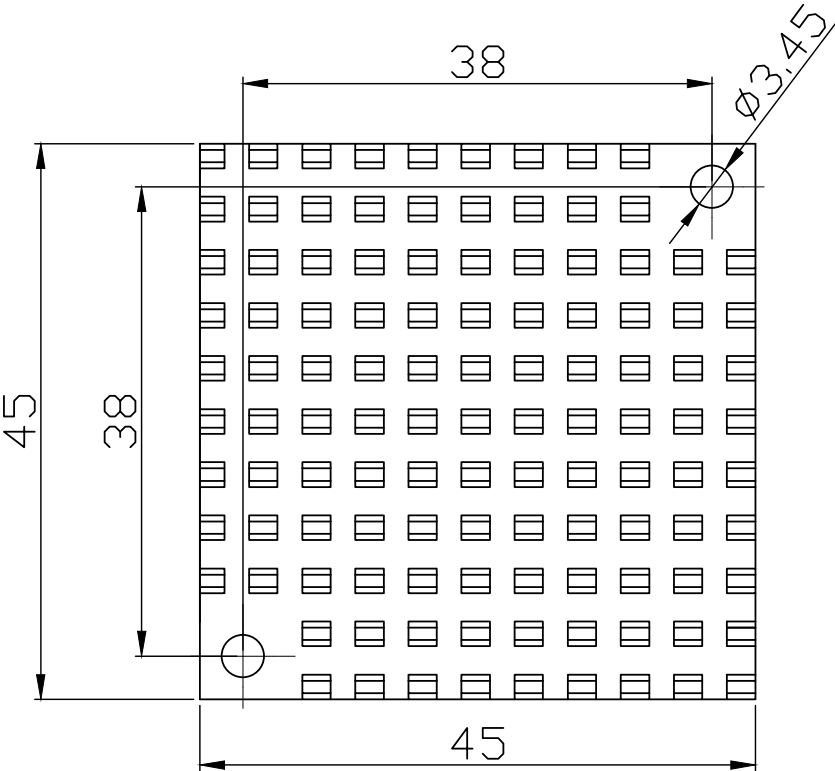
T_{hs}: "hot spot" temperature measured on the heatsink
T_a: ambient temperature



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	25 g



REVISION HISTORY

rev.	description	date
1.0	initial release	03/01/2024
1.01	CUI Devices rebranded to Same Sky	09/12/2024

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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