

MODEL: HSB38-707025P | DESCRIPTION: HEAT SINK

FEATURES

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



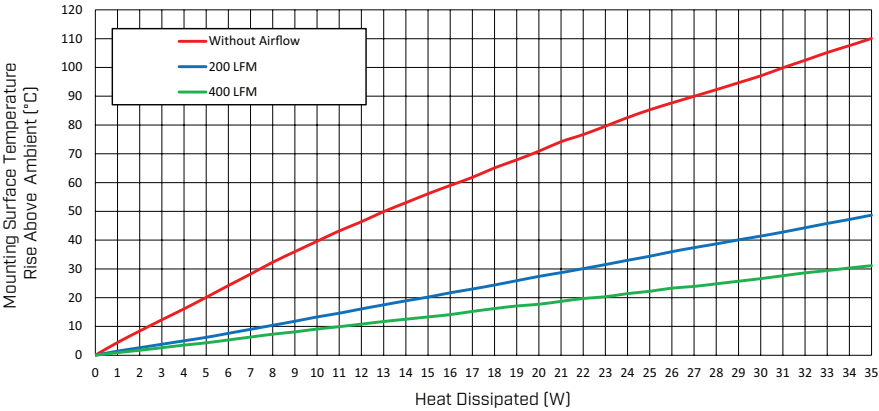
MODEL

	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]
HSB38-707025P	3.50	4.4	1.4	0.9	21.40

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	4.4	1.4	0.9
2	8.4	2.6	1.7
3	12.3	3.8	2.6
4	16.1	5.0	3.5
5	20.1	6.2	4.3
6	24.2	7.6	5.3
7	28.2	9.0	6.3
8	32.3	10.4	7.3
9	36.0	11.8	8.1
10	39.6	13.3	9.1
11	43.2	14.6	9.9
12	46.4	16.1	10.8
13	49.9	17.5	11.7
14	53.0	18.9	12.5
15	56.1	20.2	13.3
16	59.0	21.7	14.1
17	61.8	23.0	15.2
18	65.1	24.4	16.2
19	67.9	25.9	17.1
20	70.9	27.4	17.7
21	74.2	28.7	18.7
22	76.7	30.1	19.7
23	79.6	31.5	20.3
24	82.6	33.0	21.4
25	85.3	34.4	22.2
26	87.7	36.0	23.3
27	90.0	37.4	23.9
28	92.3	38.7	24.8
29	94.7	40.1	25.7
30	97.1	41.4	26.6
31	99.9	42.8	27.6
32	102.5	44.3	28.6
33	105.2	45.8	29.4
34	107.6	47.2	30.3
35	110.1	48.7	31.1

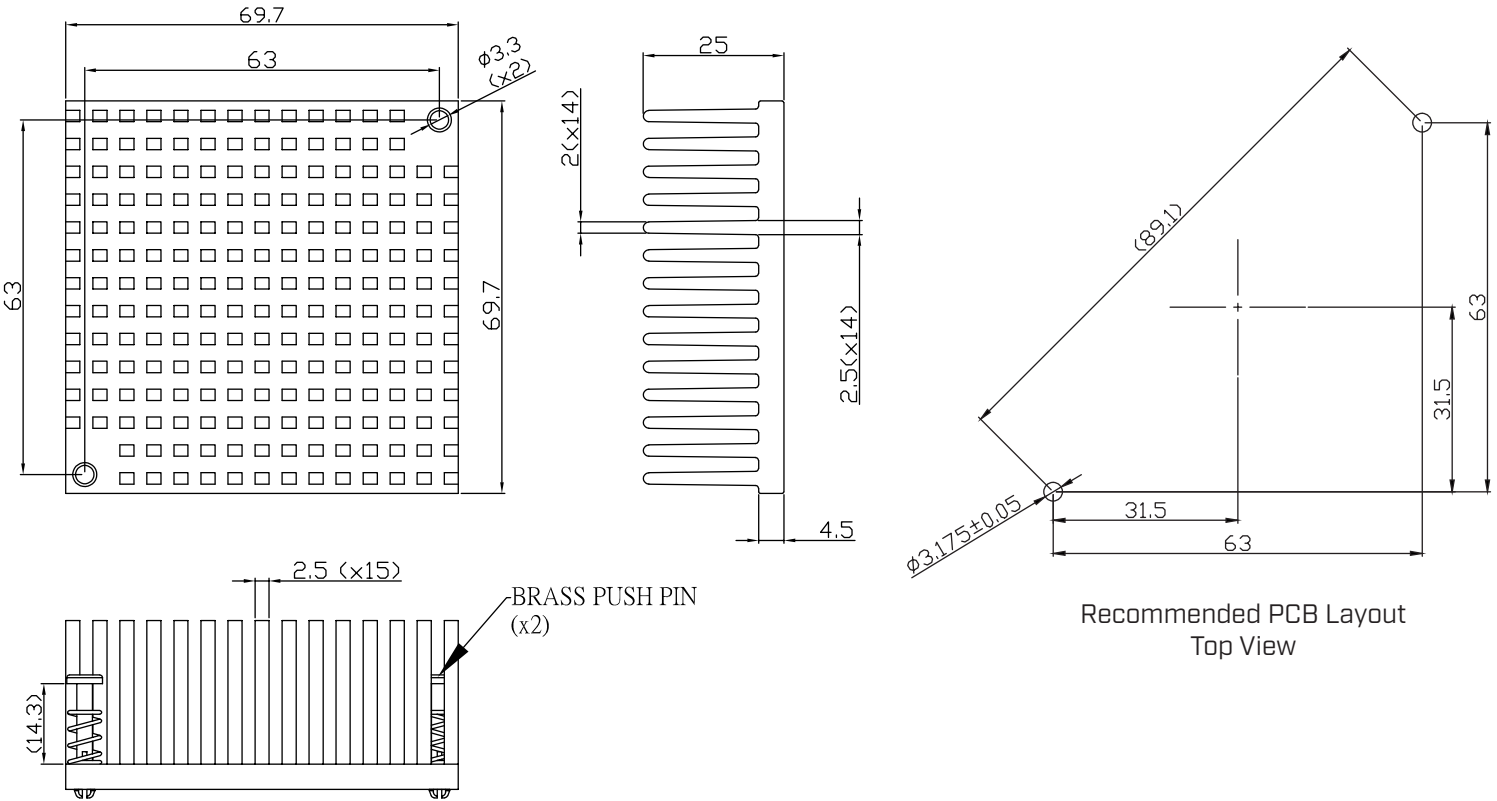


T_{hs}: "hot spot" temperature measured on the heatsink
T_a: ambient temperature

MECHANICAL DRAWING

units: mm
tolerance:
X.X ±0.10 mm
X.XX ±0.05 mm

MATERIAL	AL 6063-T5
FINISH	black anodized
PUSH PIN	brass
SPRING	spring steel, zinc plated
WEIGHT	119 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
1.03	factory location change	02/26/2026

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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