



MODEL:

HSB38-707025P

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DESCRIPTION:

HEAT SINK

FEATURES

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



MODEL

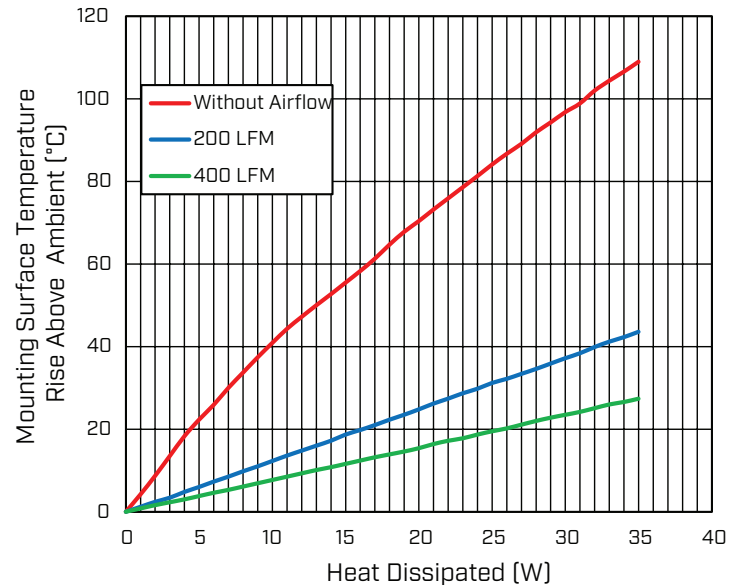
	thermal resistance ¹				power dissipation ¹
	@ 75°C ΔT, nat conv [°C/W]	@ 1 W, nat conv [°C/W]	@ 1 W, 200 LFM [°C/W]	@ 1 W, 400 LFM [°C/W]	@ 75°C ΔT, nat conv [W]
HSB38-707025P	3.45	4.2	1.2	0.8	21.74

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	4.2	1.2	0.8
2	8.7	2.4	1.6
3	13.5	3.4	2.3
4	18.3	4.8	3.0
5	22.3	6.0	3.8
6	25.9	7.3	4.6
7	30.0	8.5	5.3
8	33.7	9.8	6.1
9	37.4	11.0	6.9
10	40.9	12.3	7.7
11	44.3	13.6	8.5
12	47.2	14.8	9.3
13	50.0	16.0	10.1
14	52.7	17.2	10.8
15	55.5	18.7	11.6
16	58.3	19.8	12.4
17	61.3	21.0	13.2
18	64.7	22.3	13.9
19	67.8	23.5	14.6
20	70.4	24.8	15.4
21	73.2	26.2	16.4
22	75.9	27.4	17.2
23	78.6	28.7	17.8
24	81.3	29.8	18.7
25	84.1	31.2	19.5
26	86.7	32.2	20.2
27	89.1	33.4	21.1
28	91.9	34.6	22.0
29	94.3	35.9	22.8
30	96.8	37.2	23.5
31	98.9	38.4	24.2
32	102.0	39.9	25.1
33	104.4	41.2	26.0
34	106.6	42.3	26.6
35	109.0	43.6	27.4

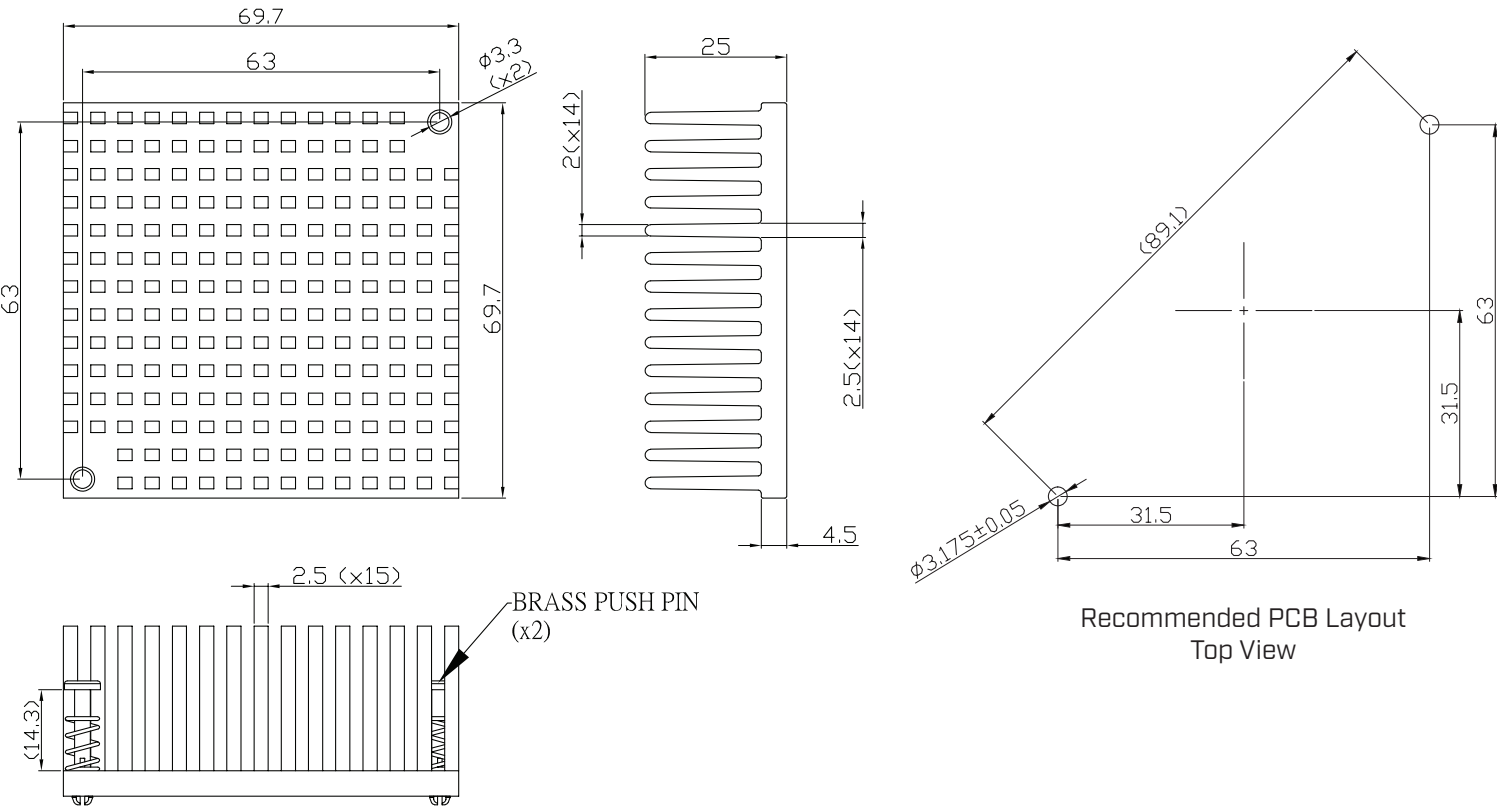


T_{hs} : "hot spot" temperature measured on the heatsink
 T_a : ambient temperature

MECHANICAL DRAWING

units: mm
tolerance: ±0.50 mm

MATERIAL	AL 6063-T5
FINISH	black anodized
PUSH PIN	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

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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