



MODEL: HSB37-404023 | DESCRIPTION: HEAT SINK

FEATURES

- BGA design
- 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]
HSB37-404023	6.43	7.8	2.1	1.4	11.66

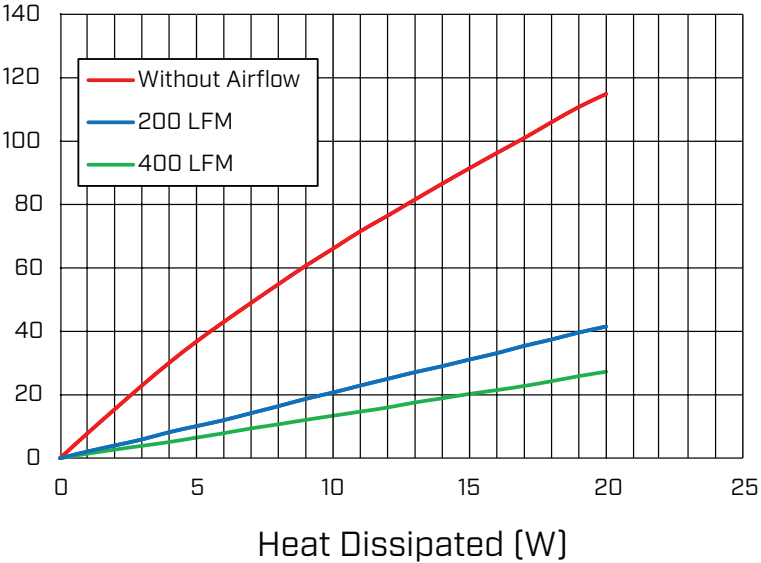
Note: 1. See performance curves for full thermal resistance details.

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	7.8	2.1	1.4
2	15.4	4.0	2.7
3	22.9	5.9	3.9
4	30.1	8.2	5.1
5	36.8	10.1	6.5
6	43.0	12.0	7.9
7	49.0	14.2	9.4
8	54.9	16.4	10.7
9	60.7	18.7	12.1
10	66.1	20.7	13.4
11	71.6	22.9	14.7
12	76.5	25.0	16.0
13	81.6	27.1	17.6
14	86.6	29.0	18.9
15	91.5	31.1	20.3
16	96.3	33.1	21.5
17	101.0	35.4	22.8
18	106.0	37.4	24.3
19	110.8	39.6	25.9
20	114.9	41.5	27.3

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

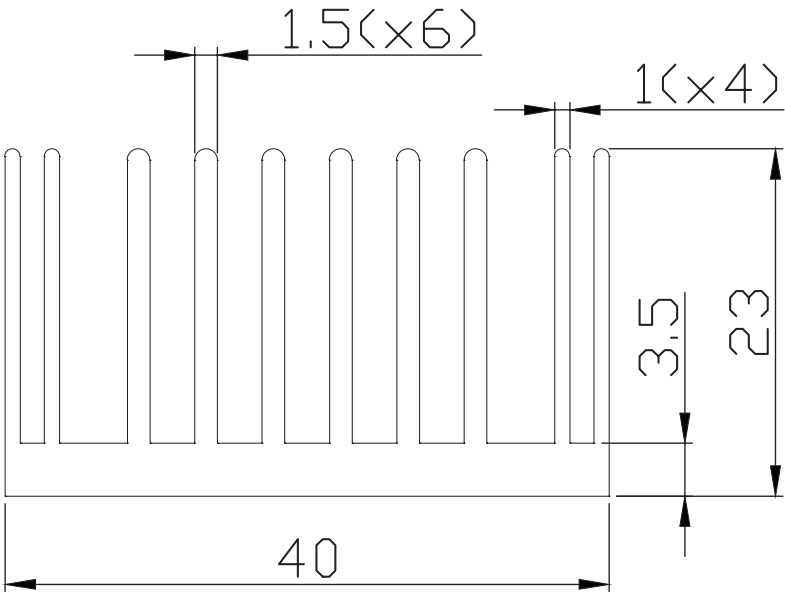
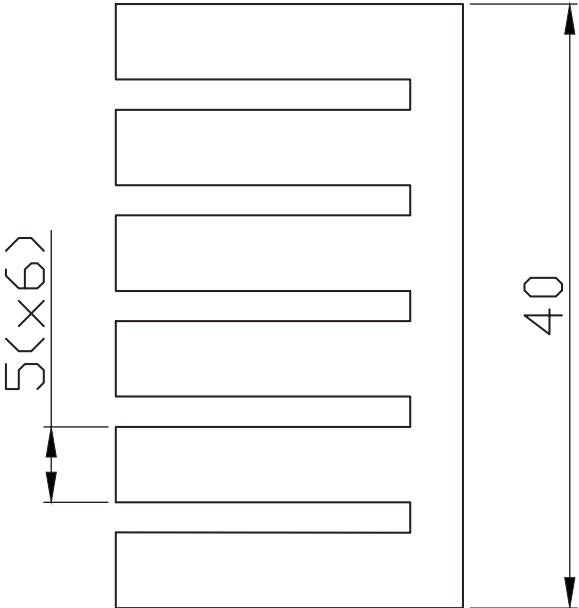
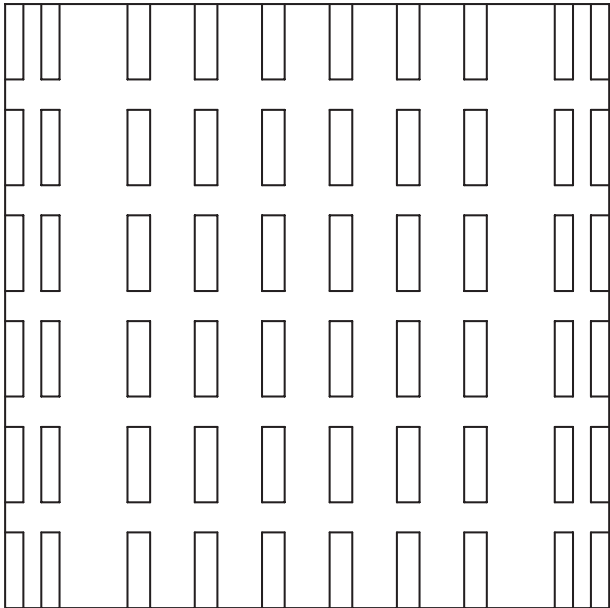
Mounting Surface Temperature Rise Above Ambient [°C]



MECHANICAL DRAWING

units: mm
tolerance: ±0.50 mm

MATERIAL	AL 6063-T5
FINISH	black anodized
WEIGHT	22 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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