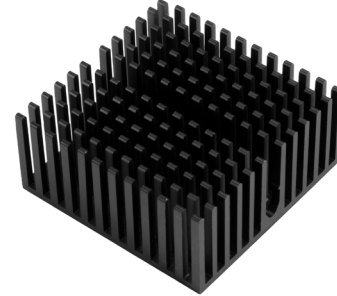


**MODEL:** HSB16-404018 | **DESCRIPTION:** HEAT SINK**FEATURES**

- BGA design
- top mount
- aluminum alloy
- black anodized finish

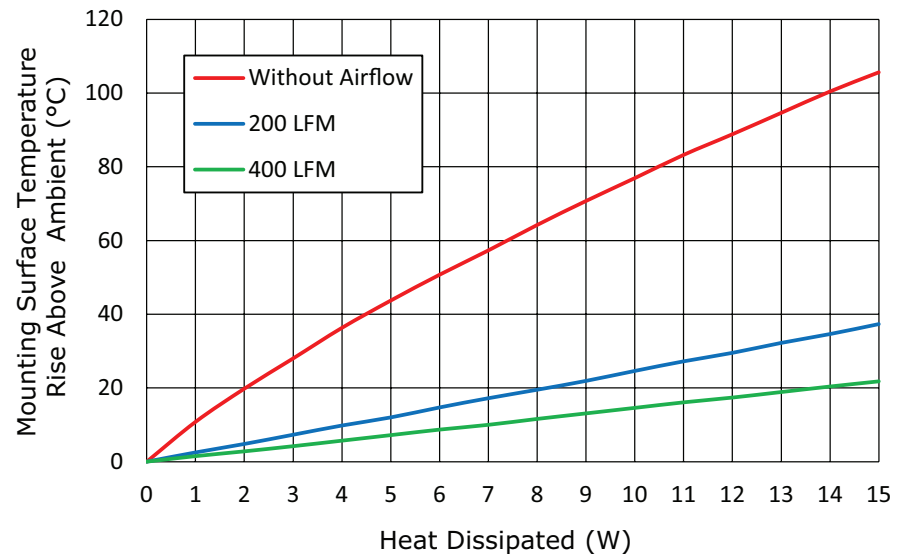
**MODEL**

	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]
HSB16-404018	7.68	10.8	2.5	1.5	9.77

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	10.8	2.5	1.5
2	19.8	4.8	2.8
3	28.0	7.3	4.2
4	36.3	9.8	5.7
5	43.7	12.0	7.2
6	50.7	14.7	8.7
7	57.3	17.2	10.0
8	64.2	19.5	11.6
9	70.7	21.9	13.1
10	76.9	24.6	14.6
11	83.2	27.2	16.1
12	88.8	29.5	17.4
13	94.6	32.2	18.9
14	100.4	34.6	20.4
15	105.6	37.3	21.8

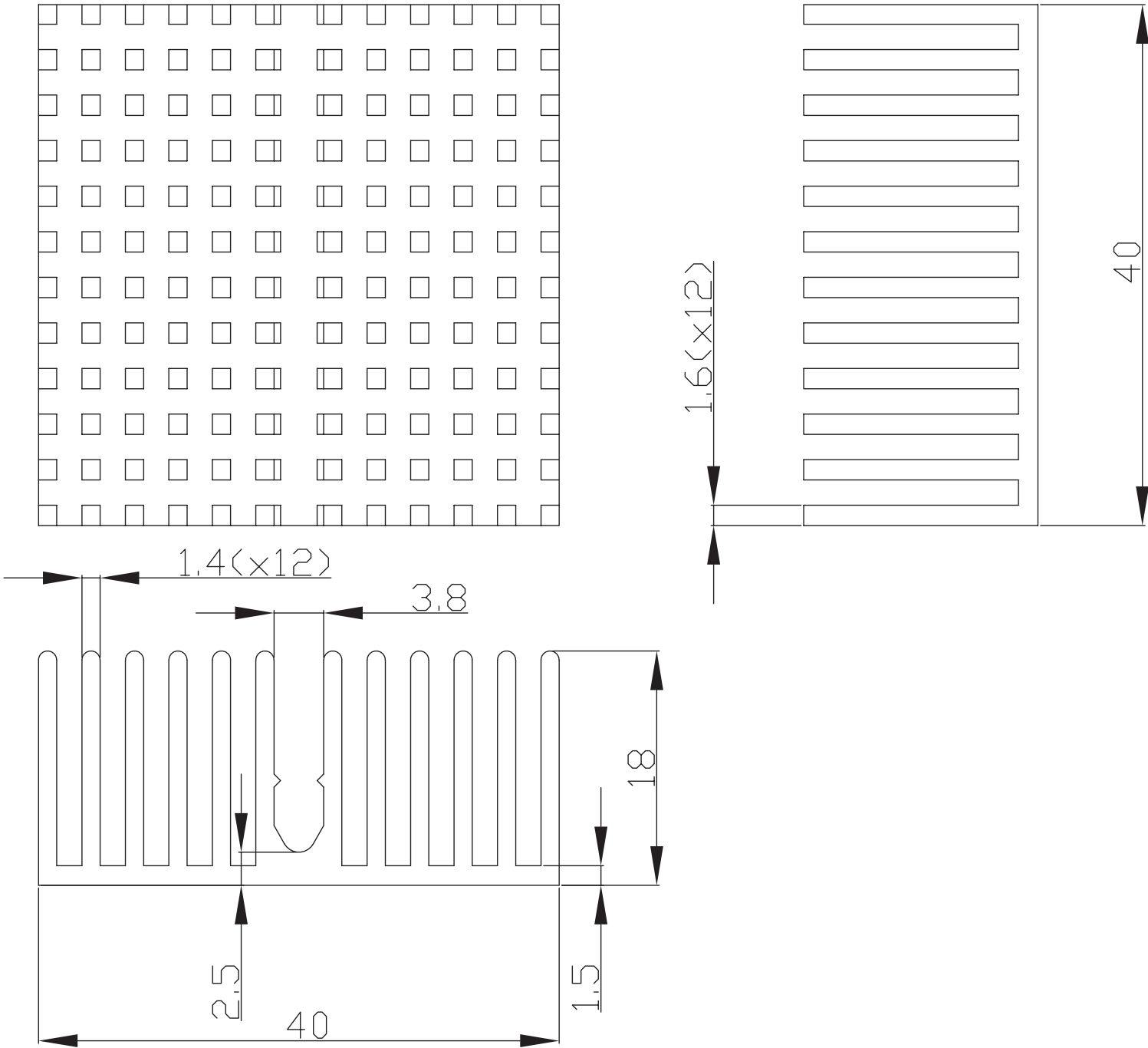


T_{hs} : "hot spot" temperature measured on the heatsink
 T_a : ambient temperature

MECHANICAL DRAWING

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

MATERIAL	AL 6063-T5
FINISH	black anodized
WEIGHT	15.0 g



REVISION HISTORY

rev.	description	date
1.0	initial release	06/24/2021
1.01	logo, datasheet style update	08/05/2022
1.02	CUI Devices rebranded to Same Sky	09/12/2024
1.03	factory location change	01/21/2026

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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