

**MODEL:** HSB15-404010 | **DESCRIPTION:** HEAT SINK**FEATURES**

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

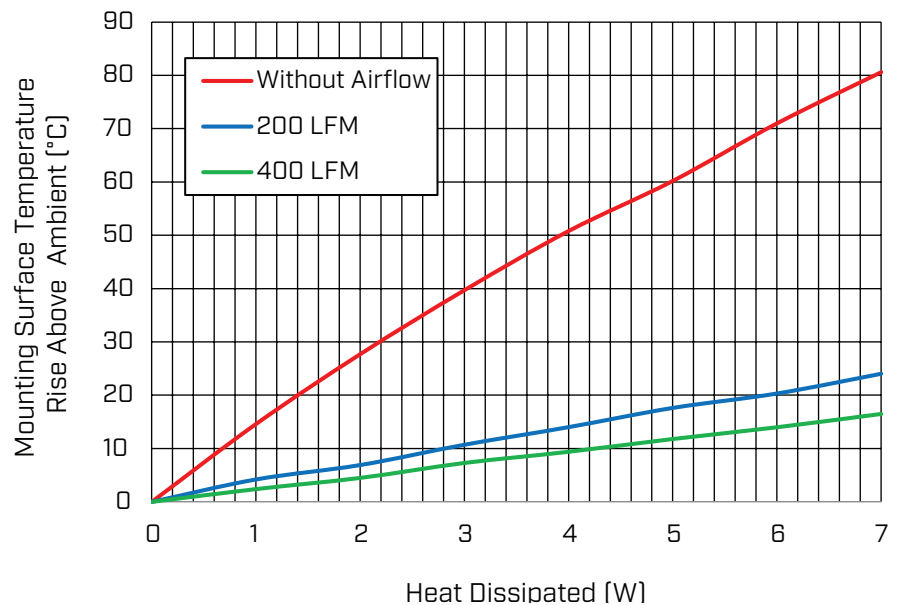
**MODEL**

	thermal resistance ¹				power dissipation ¹ @ 75°C ΔT, nat conv [W]
	@ 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]	
HSB15-404010	10.7	14.6	4.2	2.4	7.0

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

PERFORMANCE CURVES

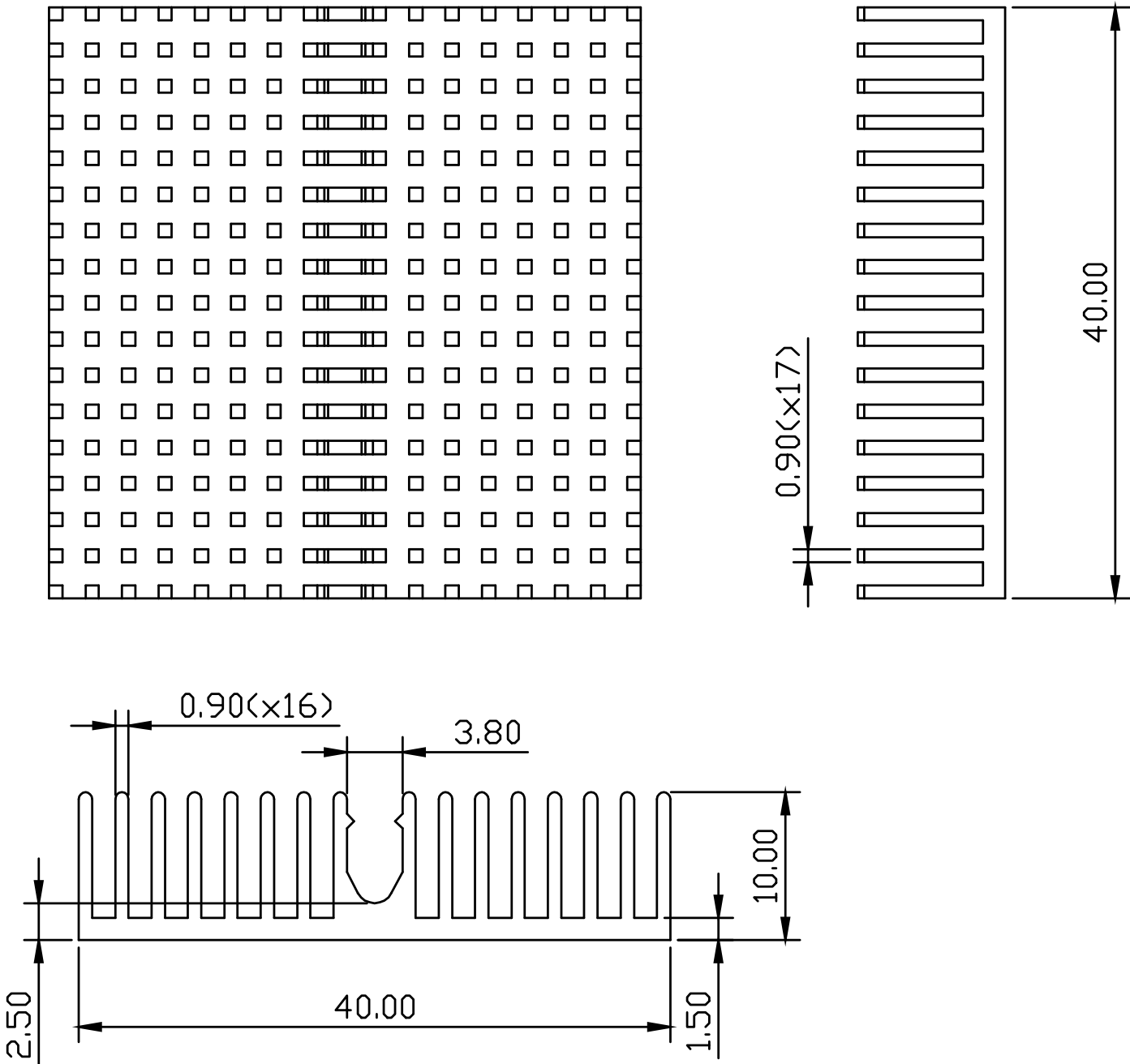
Power [W]	Heatsink Temperature Rise Above Ambient (ΔT = T _{hs} - T _a) [°C]		
	Natural Conv.	200 LFM	400 LFM
0	0	0	0
1	14.6	4.2	2.4
2	27.7	6.9	4.5
3	39.7	10.7	7.3
4	50.8	14.0	9.4
5	62.2	17.6	11.8
6	71.0	20.3	14.0
7	80.6	24.0	16.5

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

MECHANICAL DRAWING

units: mm
tolerance: ±0.38 mm

MATERIAL	AL 6063-T5
FINISH	black anodized
WEIGHT	23.83 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	product reengineered for improved manufacturability and production yield, see PCN for details	11/24/2025

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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