

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

FEATURES

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



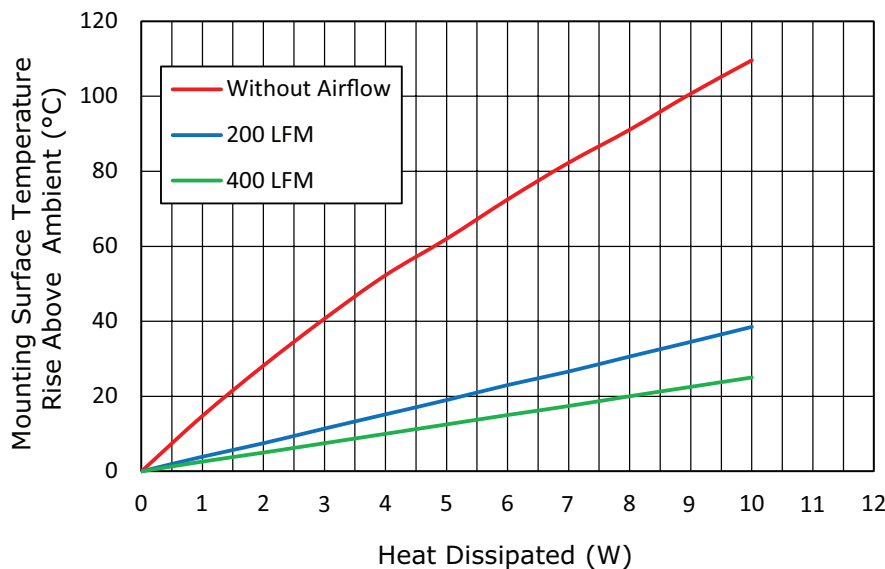
MODEL

	thermal resistance ¹				power dissipation ¹
	@ 75°C ΔT, nat conv [°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]
HSB15-404010	11.84	14.8	3.9	2.6	6.33

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	14.8	3.9	2.6
2	28.2	7.5	5.0
3	40.7	11.4	7.5
4	52.3	15.2	10.0
5	62.0	19.0	12.5
6	72.5	23.0	15.0
7	82.3	26.6	17.4
8	91.1	30.6	20.0
9	100.7	34.5	22.5
10	109.6	38.5	25.0

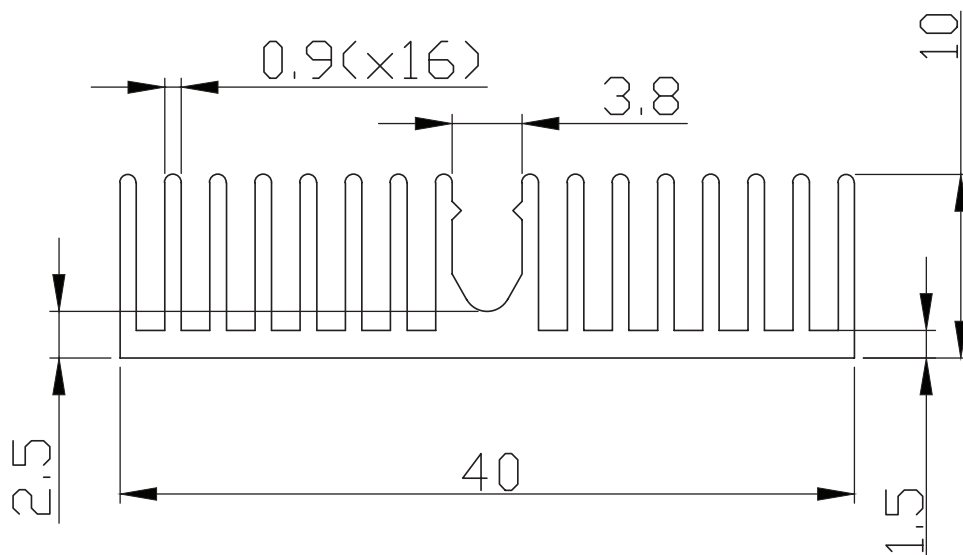
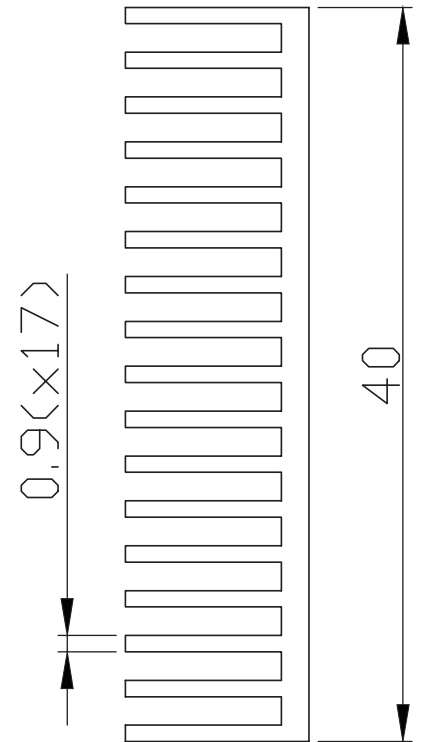
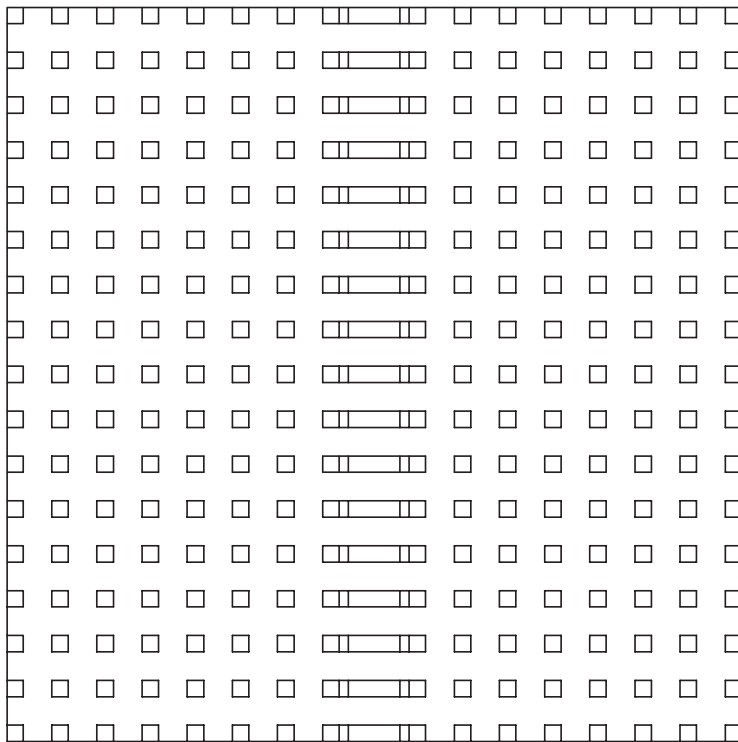


T_{hs}: "hot spot" temperature measured on the heatsink
 T_a: ambient temperature

MECHANICAL DRAWING

units: mm
tolerance: ± 0.38 mm

MATERIAL	AL 6063-T5
FINISH	black anodized
WEIGHT	15.0 g



REVISION HISTORY

rev.	description	date
1.0	initial release	06/24/2021
1.01	logo, datasheet style update	08/05/2022

The revision history provided is for informational purposes only and is believed to be accurate.



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