

MODEL: HSB21-454515 | DESCRIPTION: HEAT SINK

FEATURES

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



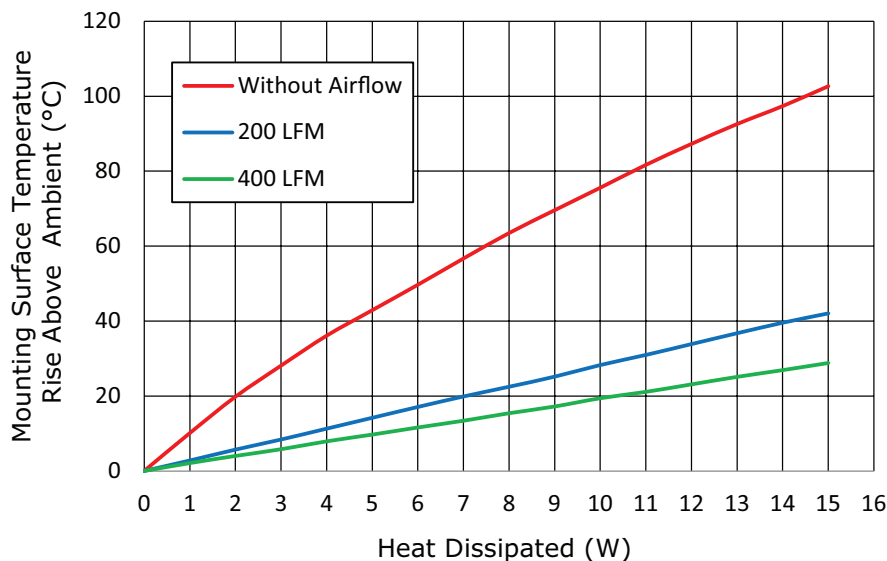
MODEL

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)
HSB21-454515	7.56	10.1	2.8	2.1	9.92

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	10.1	2.8	2.1
2	19.8	5.7	4.0
3	28.1	8.4	5.8
4	36.1	11.3	7.9
5	42.9	14.2	9.7
6	49.7	17.1	11.6
7	56.7	19.9	13.4
8	63.5	22.5	15.4
9	69.6	25.2	17.2
10	75.6	28.3	19.4
11	81.7	31.0	21.1
12	87.3	33.9	23.1
13	92.6	36.8	25.1
14	97.4	39.6	26.9
15	102.7	42.1	28.8

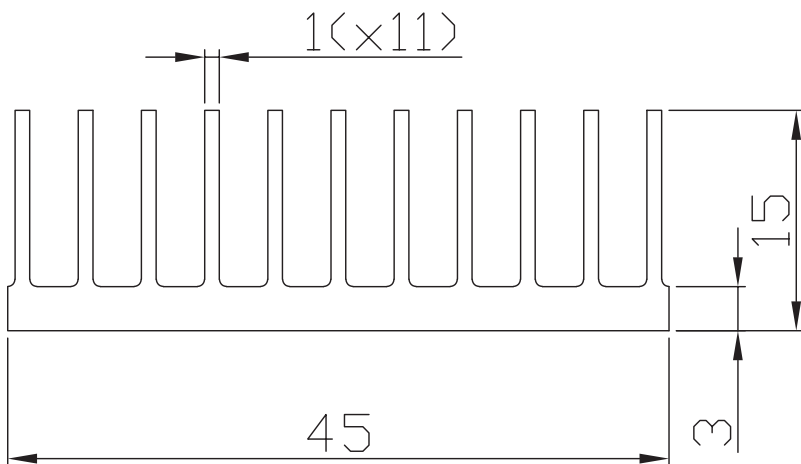
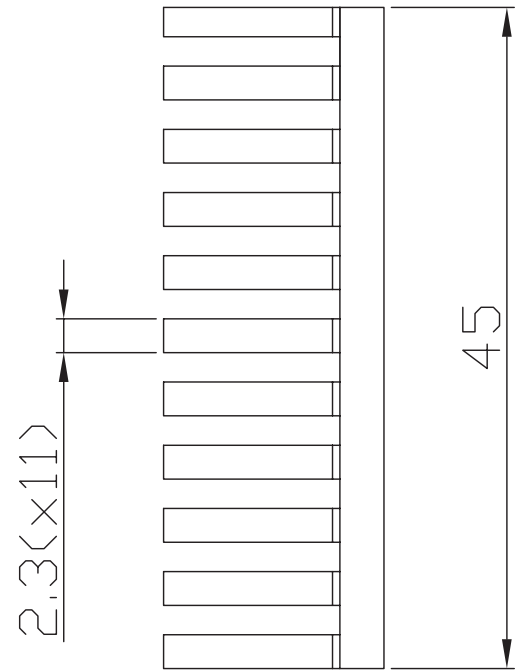
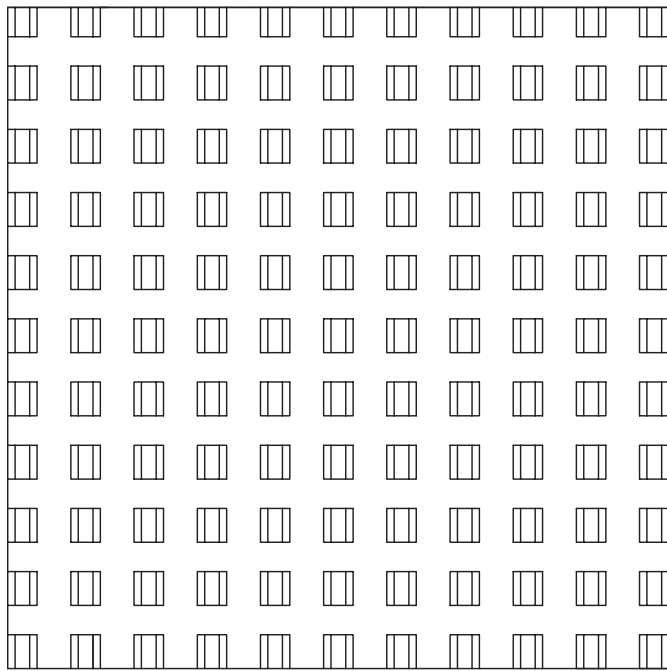


T_{hs}: "hot spot" temperature measured on the heatsink
 T_a: ambient temperature

MECHANICAL DRAWING

units: mm
tolerance: ±0.38 mm

MATERIAL	AL 6063-T5
FINISH	black anodized
WEIGHT	29.2 g



REVISION HISTORY

rev.	description	date
1.0	initial release	06/24/2021

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

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