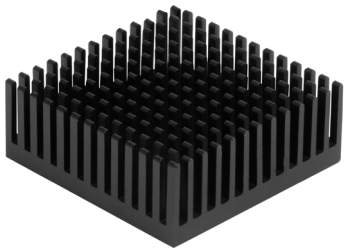
CUDEVICES

MODEL: HSB27-434316 | DESCRIPTION: HEAT SINK

FEATURES

- BGA design
- top mount
- aluminum alloy



RoHS

MODEL

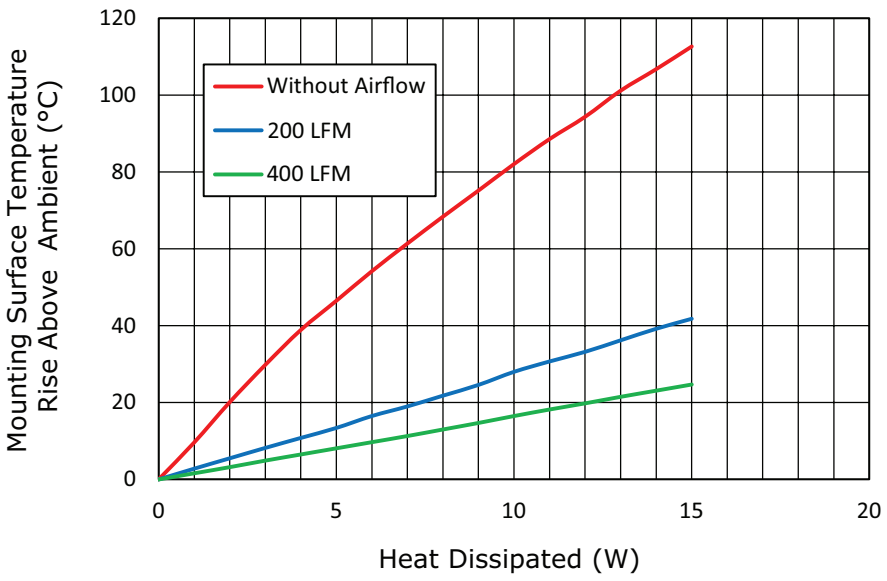
MODEL	thermal resistance[1] @ 75°C ΔT, nat conv (°C/W)	thermal resistance[1] @ 1 W, nat conv (°C/W)	thermal resistance[1] @ 1 W, 200 LFM (°C/W)	thermal resistance[1] @ 1 W, 400 LFM (°C/W)	power dissipation[1] @ 75°C ΔT, nat conv (W)
HSB27-434316	8.35	9.6	2.8	1.6	8.98

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

PERFORMANCE CURVES

	Heatsink Temperature Rise Above Ambient (ΔT = Ths - Ta) (°C)		
Power (W)	Natural Conv.	200 LFM	400 LFM
0	0	0	0
1	9.6	2.8	1.6
2	20.1	5.5	3.2
3	29.8	8.2	4.9
4	38.9	10.8	6.5
5	46.5	13.4	8.1
6	54.2	16.5	9.7
7	61.4	19.0	11.3
8	68.4	21.8	13.0
9	75.2	24.6	14.7
10	82.1	28.0	16.5
11	88.6	30.7	18.2
12	94.4	33.2	19.8
13	101.2	36.2	21.5
14	106.8	39.2	23.1
15	112.7	41.8	24.7

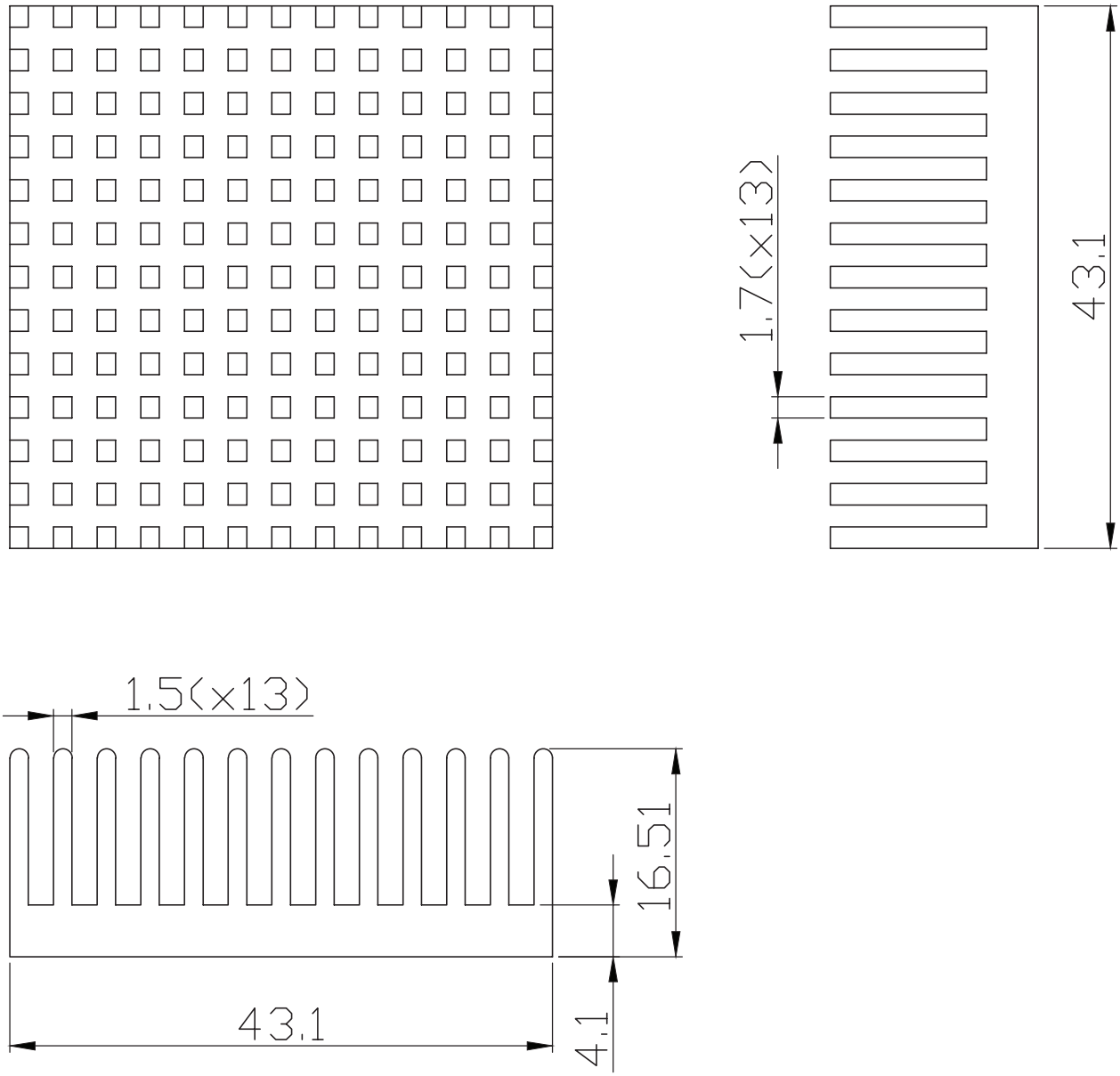
Ths: "hot spot" temperature measured on the heatsink
Ta: ambient temperature



MECHANICAL DRAWING

units: mm
tolerance: ±0.5 mm

MATERIAL	AL 6063-T5
FINISH	black anodized
WEIGHT	35.6 g



REVISION HISTORY

rev.	description	date
1.0	initial release	04/15/2022
1.01	logo, datasheet style update	08/05/2022

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