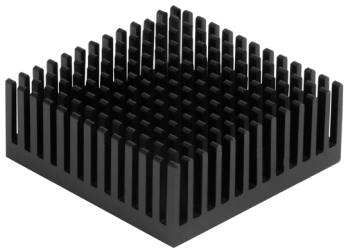
CUI Devices is now Same Sky! Learn More

MODEL: HSB27-434316 | DESCRIPTION: HEAT SINK

FEATURES

- BGA design
- top mount
- aluminum alloy



RoHS

MODEL

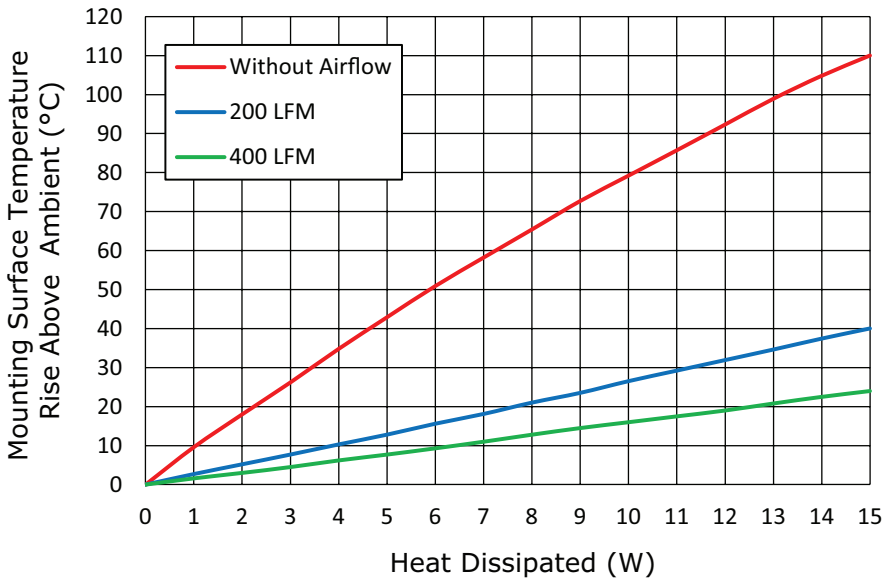
MODEL	thermal resistance[1]				power dissipation[1]
	@ 75°C ΔT, nat conv (°C/W)	@ 1 W, nat conv (°C/W)	@ 1 W, 200 LFM (°C/W)	@ 1 W, 400 LFM (°C/W)	@ 75°C ΔT, nat conv (W)
HSB27-434316	7.97	9.6	2.7	1.6	9.41

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	2.7	1.6
2	18.0	5.2	3.0
3	26.2	7.7	4.5
4	34.8	10.3	6.2
5	42.9	12.8	7.7
6	50.9	15.6	9.3
7	58.2	18.1	11.0
8	65.4	21.0	12.8
9	72.7	23.5	14.5
10	79.2	26.5	16.0
11	85.7	29.2	17.5
12	92.3	31.9	19.0
13	98.9	34.6	20.8
14	104.8	37.4	22.5
15	110.0	40.0	24.0

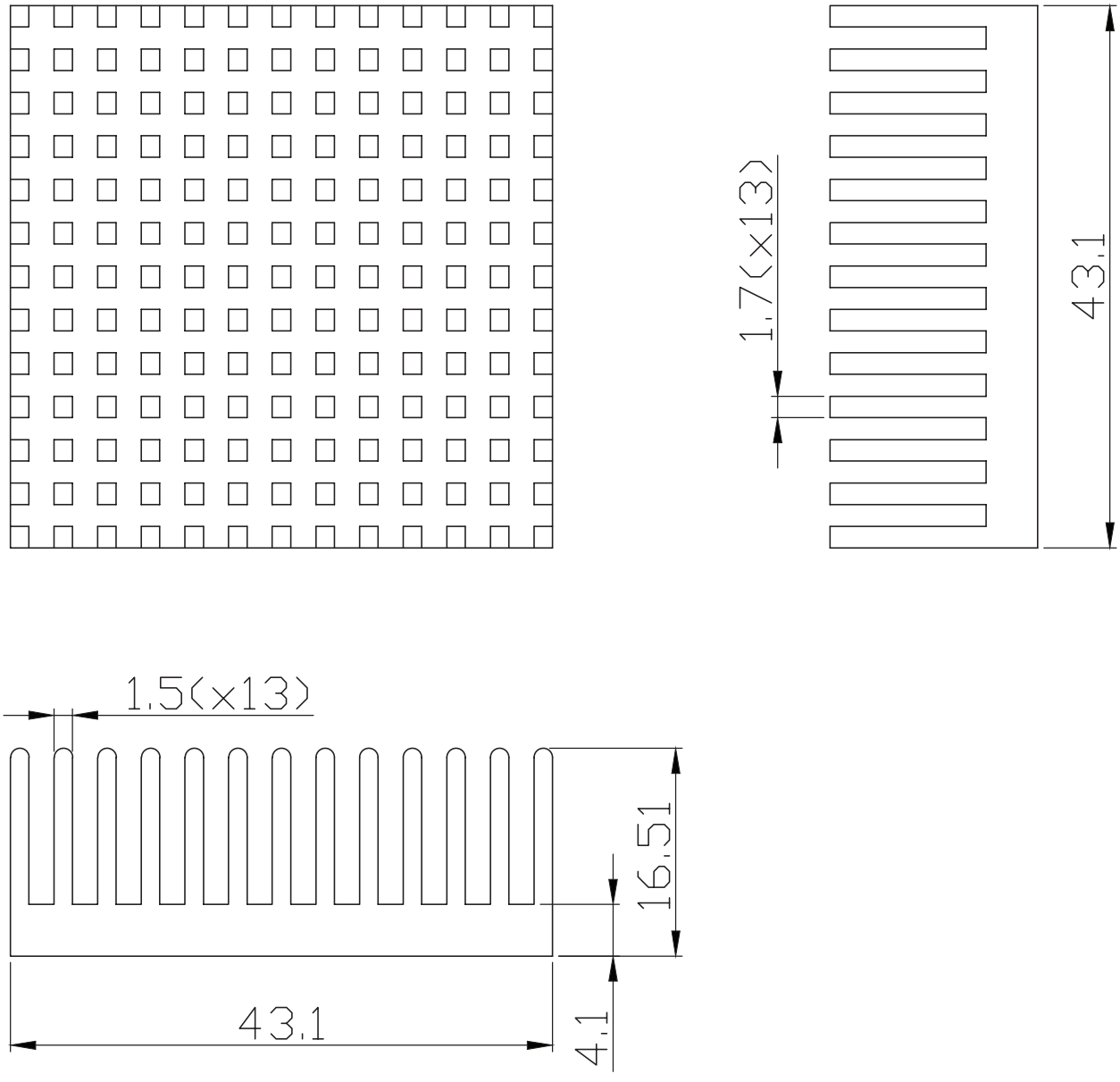
Ths: "hot spot" temperature measured on the heatsink
Ta: ambient temperature



MECHANICAL DRAWING

units: mm
tolerance:
X.X ±0.1 mm
X.XX ±0.05 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
1.02	CUI Devices rebranded to Same Sky	09/12/2024
1.03	factory location change	02/05/2026

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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Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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