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MODEL: HSS24-B20-NP | DESCRIPTION: HEAT SINK

FEATURES

- TO-220 or TO-218 package
- bolt on attachment
- aluminum alloy

RoHS

MODEL

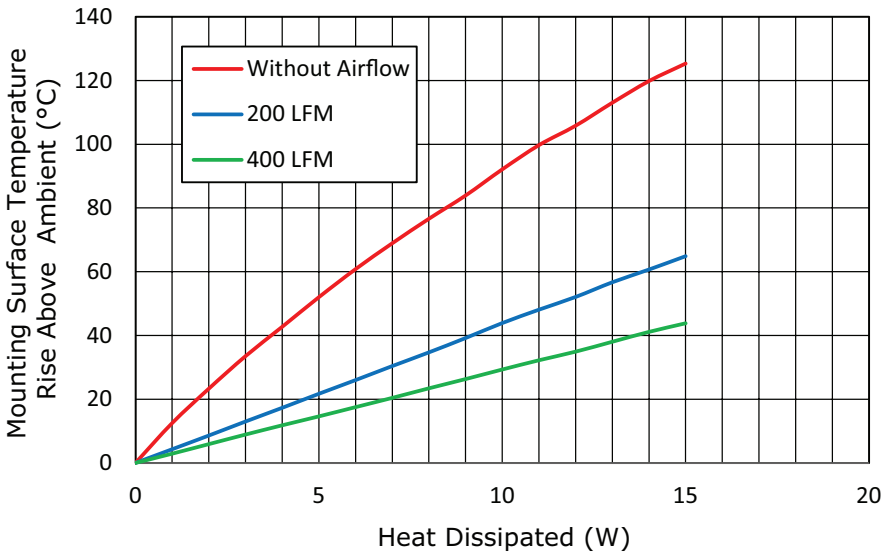
MODEL	thermal resistance[1] @ 75°C ΔT, nat conv (°C/W)	thermal resistance[1] @ 1 W, nat conv (°C/W)	thermal resistance[1] @ 1 W, 200 LFM (°C/W)	thermal resistance[1] @ 1 W, 400 LFM (°C/W)	power dissipation[1] @ 75°C ΔT, nat conv (W)
HSS24-B20-NP	9.56	12.5	4.3	2.9	7.85

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	12.5	4.3	2.9
2	23.3	8.6	5.9
3	33.5	13.0	8.9
4	42.7	17.3	11.8
5	52.0	21.7	14.6
6	60.8	26.0	17.5
7	68.9	30.4	20.4
8	76.6	34.7	23.4
9	83.9	39.2	26.3
10	92.1	43.9	29.3
11	99.7	48.1	32.2
12	105.8	52.1	34.9
13	113.0	56.7	38.0
14	119.8	60.7	41.1
15	125.3	64.9	43.8

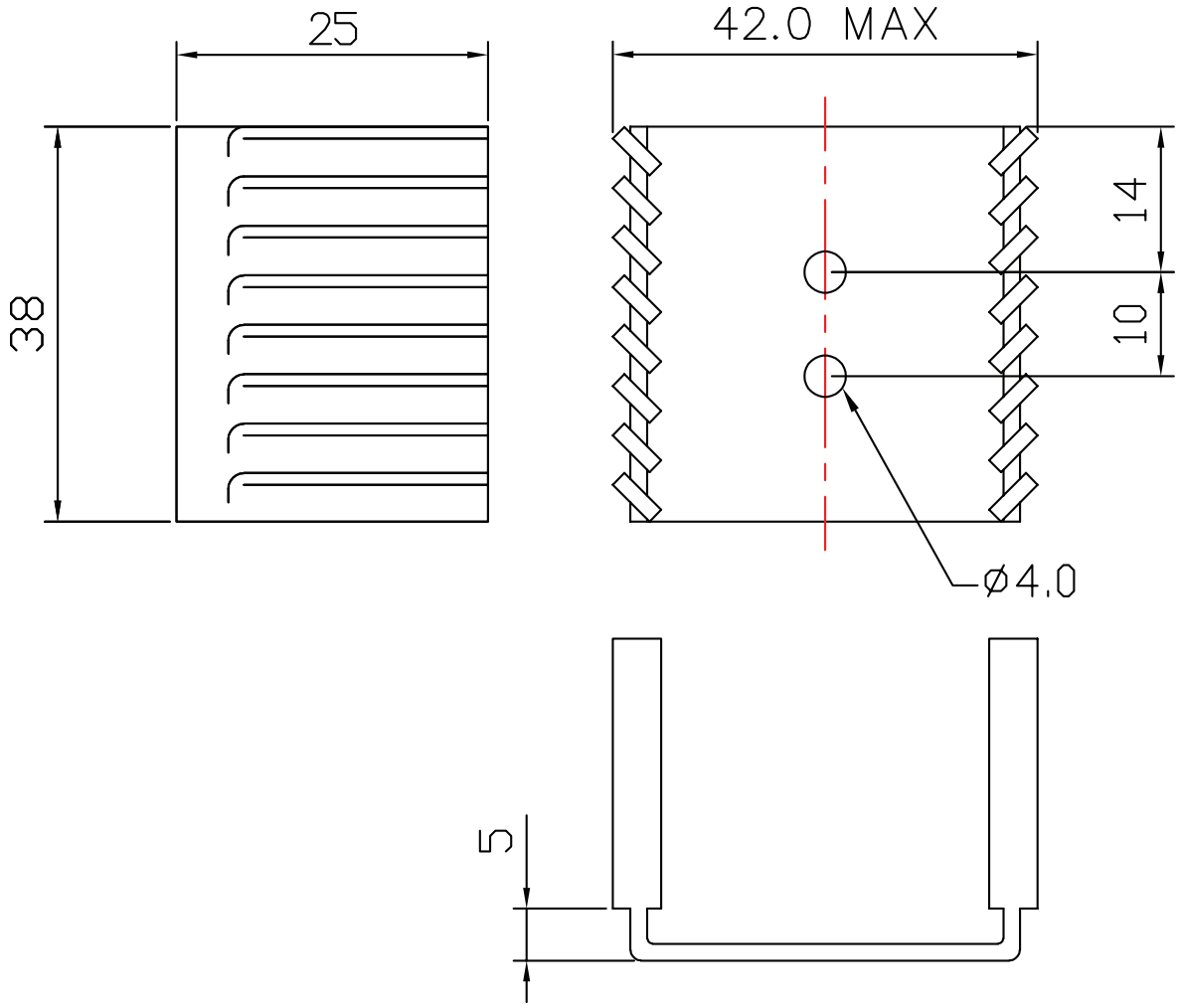
Ths: "hot spot" temperature measured on the heatsink
Ta: ambient temperature



MECHANICAL DRAWING

units: mm
tolerance: ±0.5 mm

MATERIAL	AL 1050
FINISH	black anodized
THICKNESS	1.5 mm
WEIGHT	15.8 g



REVISION HISTORY

rev.	description	date
1.0	initial release	04/22/2022
1.01	logo, datasheet style update	08/05/2022
1.02	CUI Devices rebranded to Same Sky	09/12/2024

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.