



MODEL: HSE-B20250-045H | DESCRIPTION: HEAT SINK

FEATURES

- TO-220 package
- placement pins for secure PCB mounting
- round hole for component attachment
- black anodized finish



MODEL

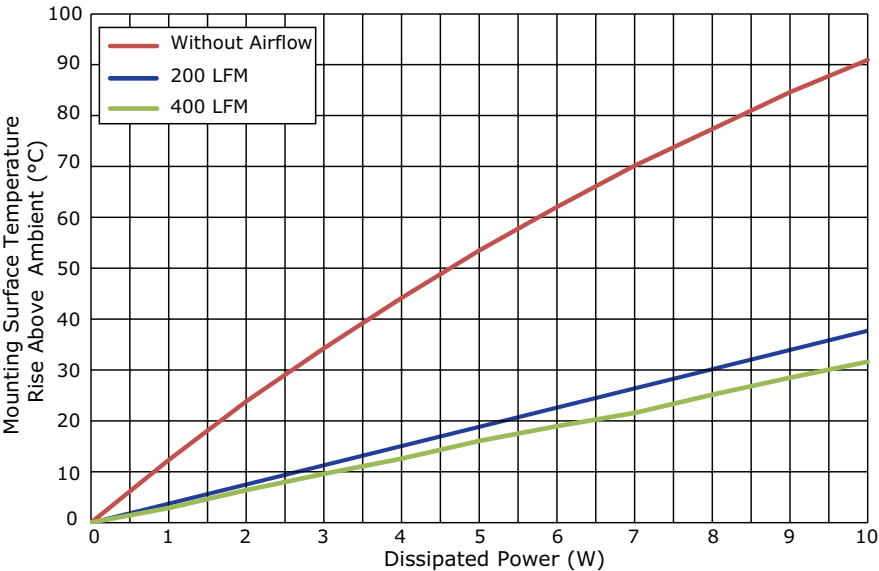
	thermal resistance ¹				power dissipation ¹
	@ 75°C ΔT, nat conv [°C/W]	@ 1 W, nat conv [°C/W]	@ 1 W, 200 LFM [°C/W]	@ 1 W, 400 LFM [°C/W]	@ 75°C ΔT, nat conv [W]
HSE-B20250-045H	9.74	12.29	4.05	2.84	7.70

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	12.29	4.05	2.84
2	23.82	7.75	6.41
3	34.26	11.31	9.58
4	44.14	15.68	12.55
5	53.47	19.34	16.03
6	62.05	22.49	18.96
7	70.15	26.38	21.56
8	77.35	30.60	25.15
9	84.60	34.29	28.46
10	90.94	37.71	31.61

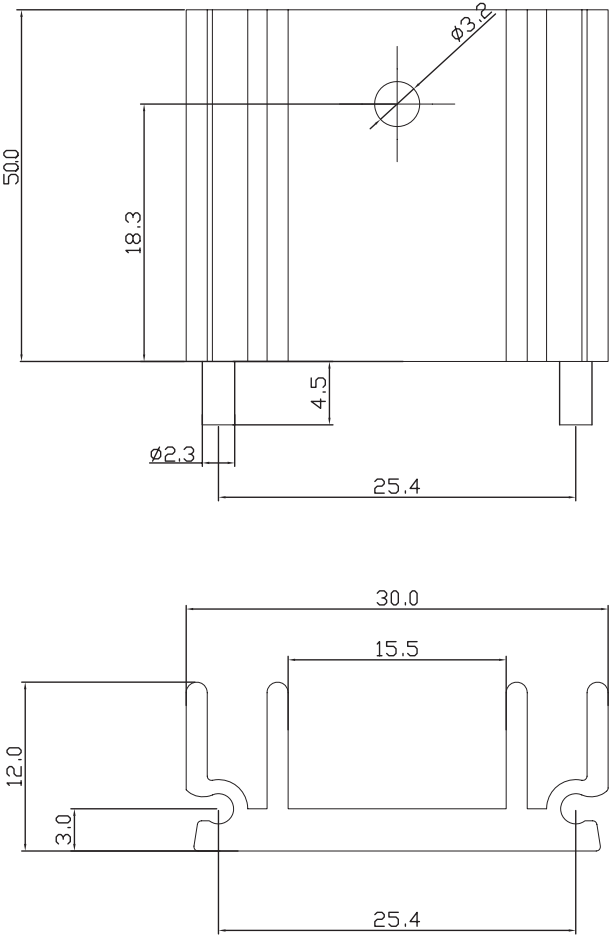
T_{hs}: "hot spot" temperature measured on the heatsink
T_a: ambient temperature



MECHANICAL DRAWING

units: mm
tolerance: ±0.5 mm

MATERIAL	AL 6063-T5
FINISH	black anodized
PIN MATERIAL	steel
PIN PLATING	tin
WEIGHT	19.44 g



REVISION HISTORY

rev.	description	date
1.0	initial release	05/11/2017
1.01	brand update	02/12/2020
1.02	logo, datasheet style update	08/05/2022
1.03	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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