

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 (W)
		@ 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)	
HSE-B20250-045H		9.74	12.29	4.05	2.84	7.70

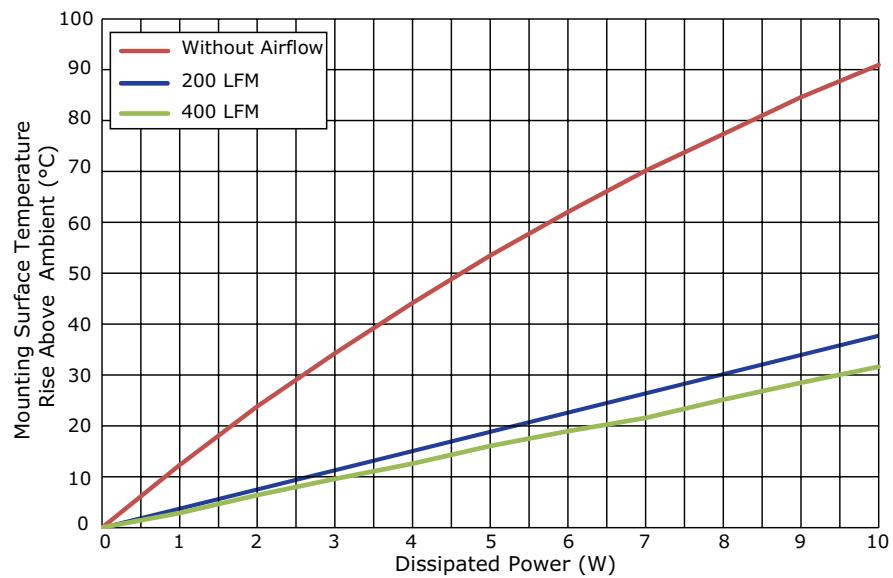
Note: 1. See performance curves for full thermal resistance details.

PERFORMANCE CURVES

Heatsink Temperature Rise Above Ambient ($\Delta T = Ths - Ta$) (°C)				
Power (W)	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	

Ths: "hot spot" temperature measured on the heatsink

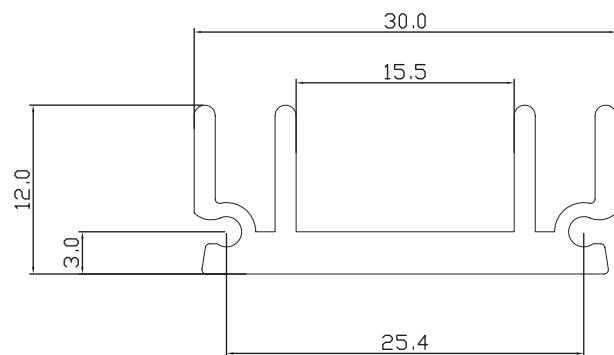
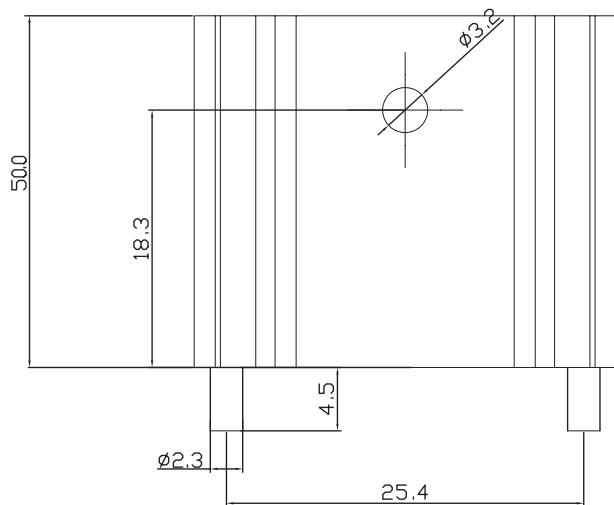
Ta: ambient temperature



MECHANICAL DRAWING

units: mm
tolerance: ± 0.5 mm

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



REVISION HISTORY

rev.	description	date
1.0	initial release	05/11/2017

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



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CUI offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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