CUI Devices is now Same Sky! Learn More

SERIES: HSE-BX-04H | DESCRIPTION: HEAT SINK

FEATURES

- TO-220 or TO-218 package
- placement pins for secure PCB attachment
- round hole for component attachment
- multiple available cut lengths



RoHS

MODEL

	length (mm)	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)
HSE-B254-04H	25.4	15.96	16.65	4.93	4.13	4.70
HSE-B381-04H	38.1	12.71	12.33	4.44	2.57	5.90

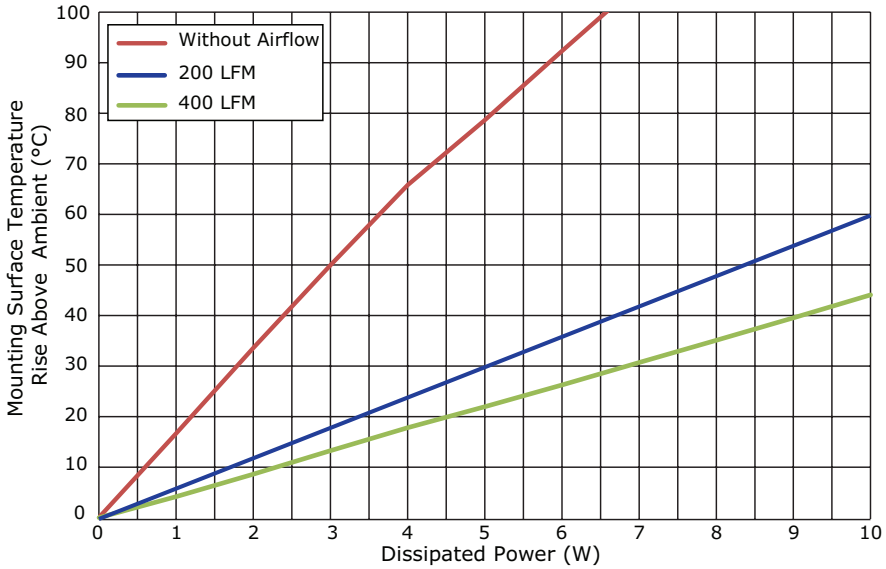
Note: 1. See performance curves for full thermal resistance details.
2. Custom cut to length options available. Thermal data not available on custom lengths.

PERFORMANCE CURVES

HSE-B254-04H

	Heatsink Temperature Rise Above Ambient (ΔT = Ths - Ta) (°C)		
Power (W)	Natural Conv.	200 LFM	400 LFM
0	0	0	0
1	16.65	4.93	4.13
2	33.54	11.08	8.61
3	49.96	17.20	13.23
4	65.78	23.50	17.80
5	78.65	29.14	21.94
6	92.33	35.03	26.22
7	105.77	41.10	30.69
8	117.14	46.59	35.07
9	127.85	53.10	39.55
10	137.37	59.79	44.08

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

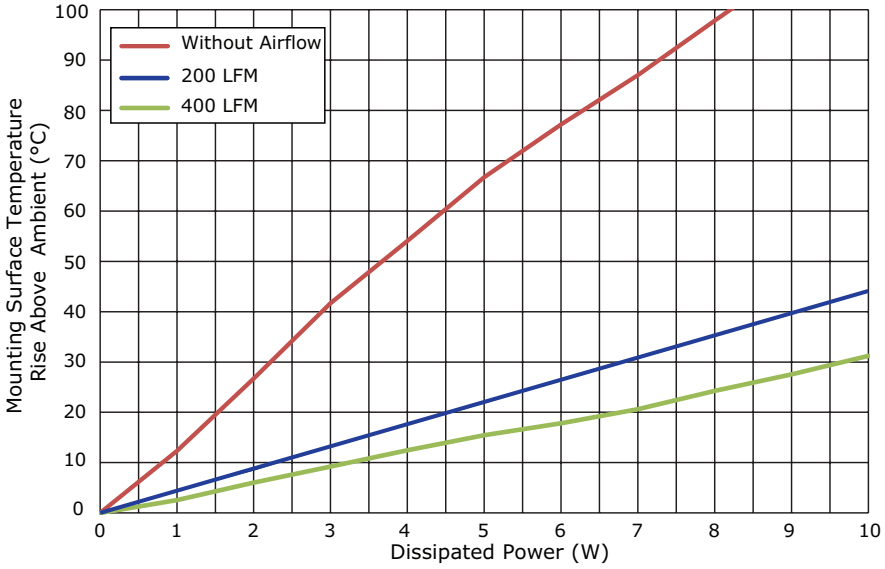


PERFORMANCE CURVES (CONTINUED)

HSE-B381-04H

	Heatsink Temperature Rise Above Ambient (ΔT = Ths - Ta) (°C)		
Power (W)	Natural Conv.	200 LFM	400 LFM
0	0	0	0
1	12.33	4.44	2.57
2	26.70	8.40	6.04
3	41.68	13.14	9.20
4	54.04	17.42	12.44
5	66.70	21.73	15.45
6	77.18	26.26	17.85
7	86.99	30.62	20.63
8	97.85	35.10	24.27
9	108.50	39.48	27.54
10	117.17	44.10	31.21

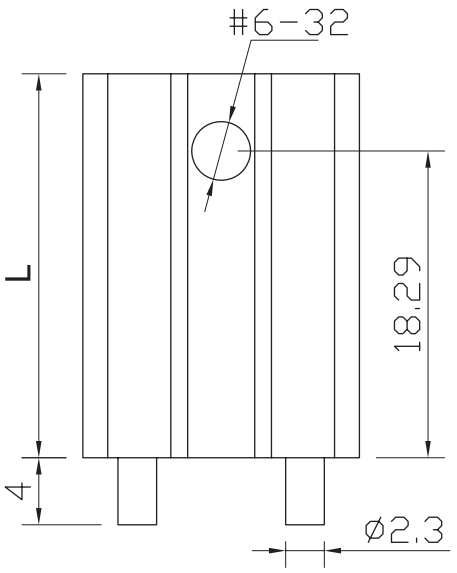
Ths: "hot spot" temperature measured on the heatsink
Ta: ambient temperature

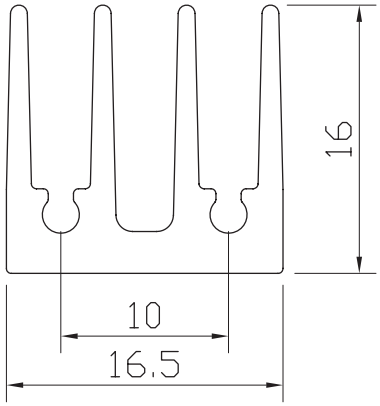


MECHANICAL DRAWING

units: mm
tolerance: ±0.5 mm

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





MODEL NO.	LENGTH, L (mm)	WEIGHT (g)
HSE-B254-04H	25.4	9.5
HSE-B381-04H	38.1	15.4

REVISION HISTORY

rev.	description	date
1.0	initial release	04/26/2017
1.01	brand update	02/11/2020
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

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