

# MODEL: HSE-BX-056H | DESCRIPTION: HEAT SINK

#### FEATURES

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





MODEL		thermal resistance <sup>1</sup>				power dissipation <sup>1</sup>
	length	<b>@ 75°C ΔT, nat</b> conv (°C/W)	@ 1 W, nat conv	@ 1 W, 200 LFM	@ 1 W, 400 LFM	@ 75°C ∆T, nat conv
	(mm)	10.04	(°C/W)	[°C/W]	(°C/W)	[W]
HSE-B20254-056H	25.4	13.64	17.13	8.36	6.41	5.50
HSE-B20381-056H	38.1	11.19	15.00	3.53	2.56	6.70

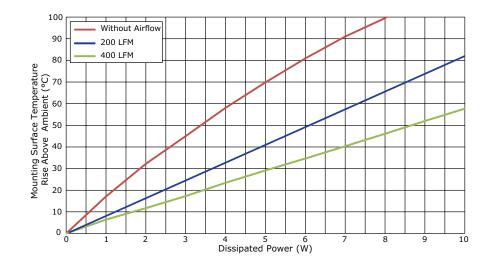
Note: 1. See performance curves for full thermal resistance details.

Custom cut to length options available. Thermal data not available on custom lengths.

### **PERFORMANCE CURVES**

#### HSE-B20254-056H

	Heatsink Temperature Rise Above Ambient (ΔT = Ths - Ta) (°C)			
Power (W)	Natural Conv.	200 LFM	400 LFM	
0	0	0	0	
1	17.13	8.36	6.41	
2	32.20	17.46	11.75	
3	45.00	24.87	17.28	
4	58.12	32.88	23.43	
5	69.84	40.99	29.16	
6	80.93	48.89	34.64	
7	91.01	56.79	40.37	
8	99.56	65.43	46.09	
9	110.81	72.66	52.01	
10	118.44	82.03	57.73	



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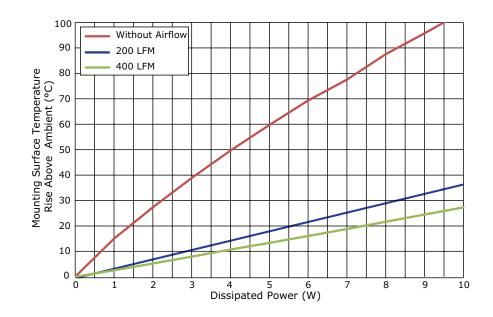
Ths: "hot spot" temperature measured on the heatsink Ta: ambient temperature

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# **PERFORMANCE CURVES (CONTINUED)**

#### HSE-B20381-056H

	Heatsink Temperature Rise Above Ambient (ΔT = Ths - Ta) (°C)			
Power (W)	Natural Conv.	200 LFM	400 LFM	
0	D	D	0	
1	15.00	3.53	2.56	
2	27.32	7.15	5.23	
3	38.89	10.82	7.90	
4	49.63	14.38	10.72	
5	59.72	17.90	13.32	
6	69.31	21.80	16.03	
7	77.53	25.42	18.80	
8	87.53	28.89	21.65	
9	95.75	32.68	24.48	
10	104.38	36.30	27.29	



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

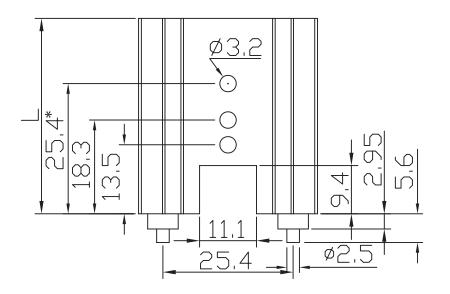
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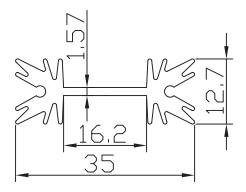
# **MECHANICAL DRAWING**

units: mm tolerance: ±0.5 mm

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

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MODEL NO.	LENGTH, L (mm)	WEIGHT (g)
HSE-B20254-056H*	25.4	11.33
HSE-B20381-056H	38.1	16.67

### **REVISION HISTORY**

rev.	description	date
1.0	initial release	05/05/2017
1.01	updated datasheet	09/07/2017
1.02	brand update	02/11/2020
1.03	logo, datasheet style update	08/05/2022

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

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



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