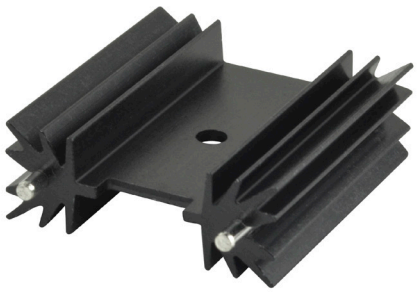
CUI DEVICES

SERIES: HSE-BX-035H-01 | DESCRIPTION: HEAT SINK

FEATURES

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



RoHS

MODEL

	length	thermal resistance[1] @ 75°C ΔT, nat conv	thermal resistance[1] @ 1 W, nat conv	thermal resistance[1] @ 1 W, 200 LFM	thermal resistance[1] @ 1 W, 400 LFM	power dissipation[1] @ 75°C ΔT, nat conv
	(mm)	(°C/W)	(°C/W)	(°C/W)	(°C/W)	(W)
HSE-B20254-035H-01	25.4	14.42	14.36	4.42	3.40	5.20
HSE-B20381-035H-01	38.1	10.71	10.51	2.67	2.43	7.00

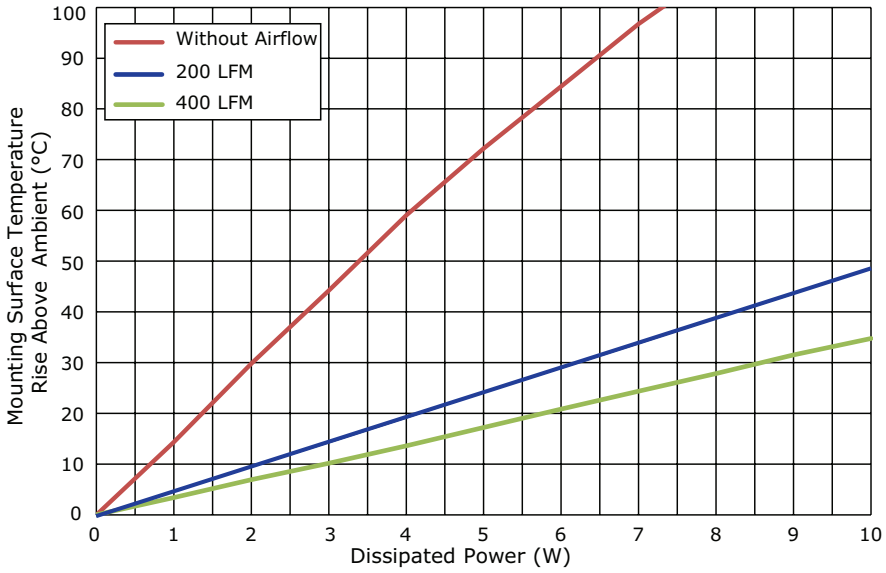
Note: 1. See performance curves for full thermal resistance details.
2. Custom cut to length options available. Thermal data not available on custom lengths.

PERFORMANCE CURVES

HSE-B20254-035H-01

	Heatsink Temperature Rise Above Ambient (ΔT = Ths - Ta) (°C)		
Power (W)	Natural Conv.	200 LFM	400 LFM
0	0	0	0
1	14.36	4.42	3.40
2	29.79	9.28	6.91
3	44.19	14.08	10.17
4	59.02	18.94	13.61
5	72.18	23.94	17.23
6	84.41	28.75	20.85
7	96.74	33.59	24.38
8	107.41	38.56	27.85
9	118.81	43.41	31.51
10	128.70	48.60	34.77

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

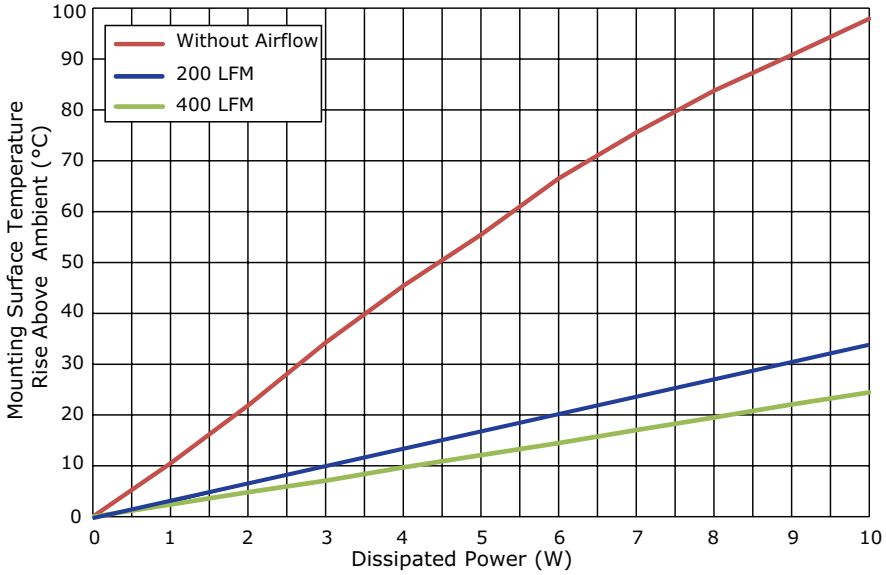


PERFORMANCE CURVES (CONTINUED)

HSE-B20381-035H-01

	Heatsink Temperature Rise Above Ambient (ΔT = Ths - Ta) (°C)		
Power (W)	Natural Conv.	200 LFM	400 LFM
0	0	0	0
1	10.51	2.67	2.43
2	21.88	6.30	4.81
3	34.26	9.73	7.11
4	45.39	13.18	9.69
5	55.46	16.67	12.13
6	66.53	20.13	14.51
7	75.57	23.53	17.05
8	83.77	27.06	19.52
9	90.80	30.38	22.06
10	97.95	33.80	24.44

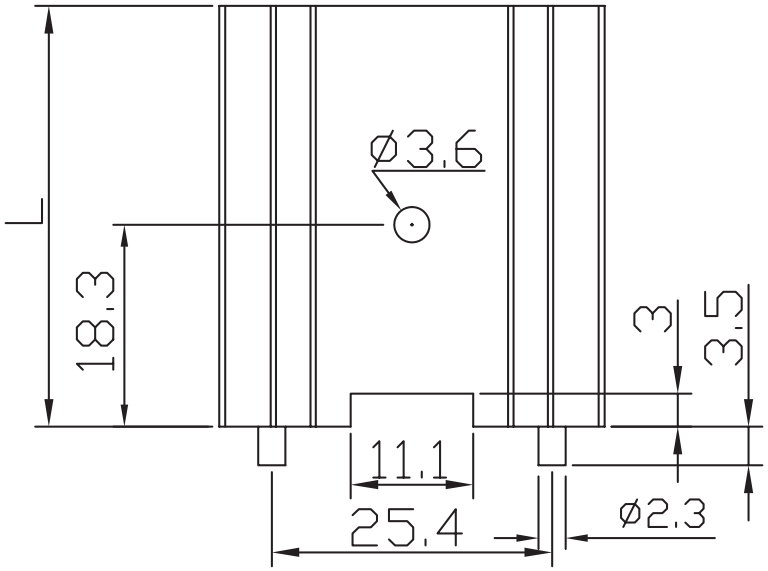
Ths: "hot spot" temperature measured on the heatsink
Ta: ambient temperature

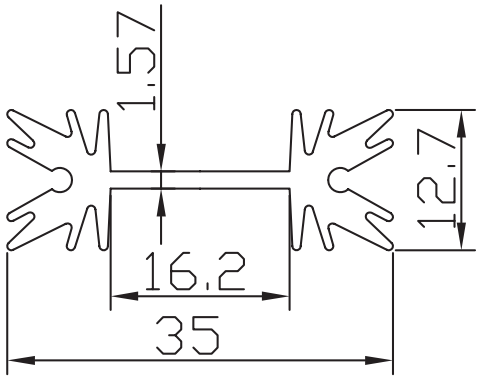


MECHANICAL DRAWING

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-B20254-035H-01	25.4	11.33
HSE-B20381-035H-01	38.1	16.67

REVISION HISTORY

rev.	description	date
1.0	initial release	05/02/2017
1.01	brand update	02/11/2020

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

CUI DEVICES

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

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