CUI DEVICES

MODEL: HSS-B20-0503H | **DESCRIPTION:** HEAT SINK

FEATURES

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



RoHS

MODEL

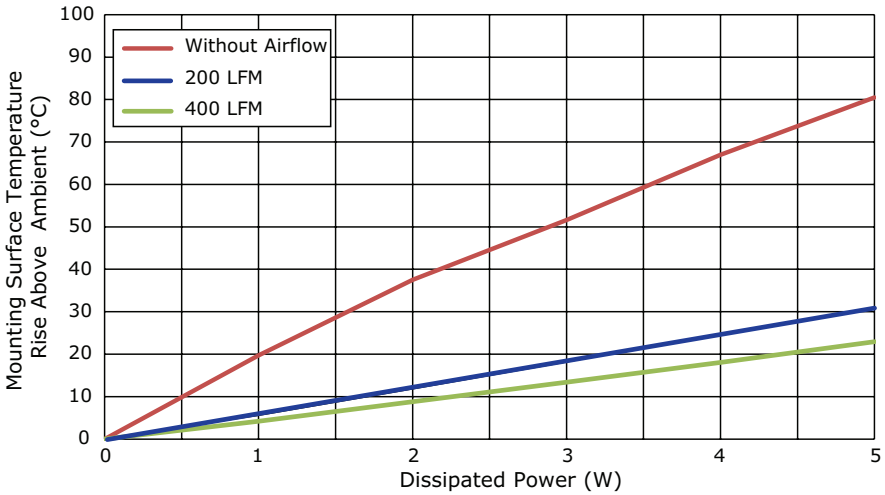
MODEL	thermal resistance[1]				power dissipation[1]
	@ 75°C ΔT, nat conv (°C/W)	**@ 1 W, nat conv** (°C/W)	**@ 1 W, 200 LFM** (°C/W)	**@ 1 W, 400 LFM** (°C/W)	**@ 75°C ΔT, nat conv** (W)
HSS-B20-0503H	16.30	19.73	5.44	4.22	4.60

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

PERFORMANCE CURVES

	Heatsink Temperature Rise Above Ambient (ΔT = Ths - Ta) (°C)		
Power (W)	Natural Conv.	200 LFM	400 LFM
0	0	0	0
1	19.73	5.44	4.22
2	37.51	11.67	8.80
3	51.61	18.00	13.39
4	66.98	24.70	18.04
5	80.49	30.86	22.95

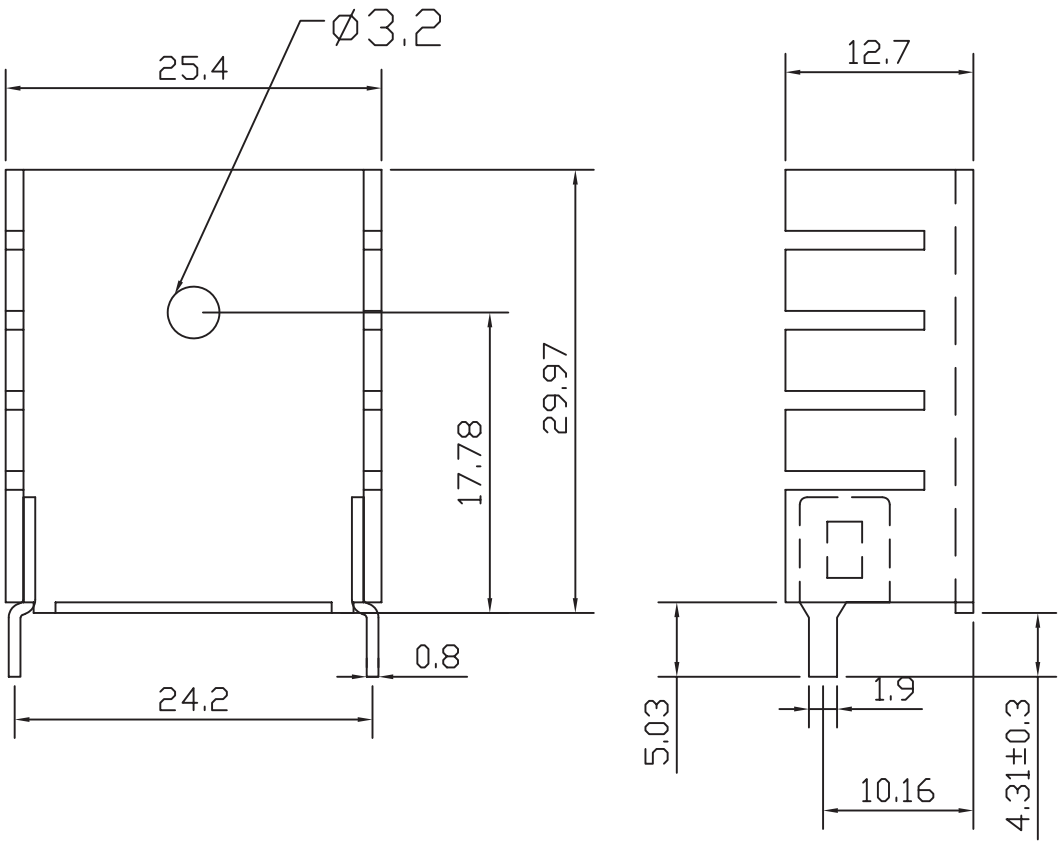
Ths: "hot spot" temperature measured on the heatsink
Ta: ambient temperature



MECHANICAL DRAWING

units: mm
tolerance: ±0.5 mm

MATERIAL	AL1050
FINISH	black anodized
THICKNESS	1.2 mm
PIN MATERIAL	brass
PIN PLATING	tin
WEIGHT	6.0 g



REVISION HISTORY

rev.	description	date
1.0	initial release	03/31/2017
1.01	added dimensions to drawing	08/07/2019
1.02	brand update	02/12/2020

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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