CUI DEVICES

MODEL: HSS10-B20-P40 | **DESCRIPTION:** HEAT SINK

FEATURES

- TO-220 package
- solder pin
- aluminum alloy
- black anodized finish



RoHS

MODEL

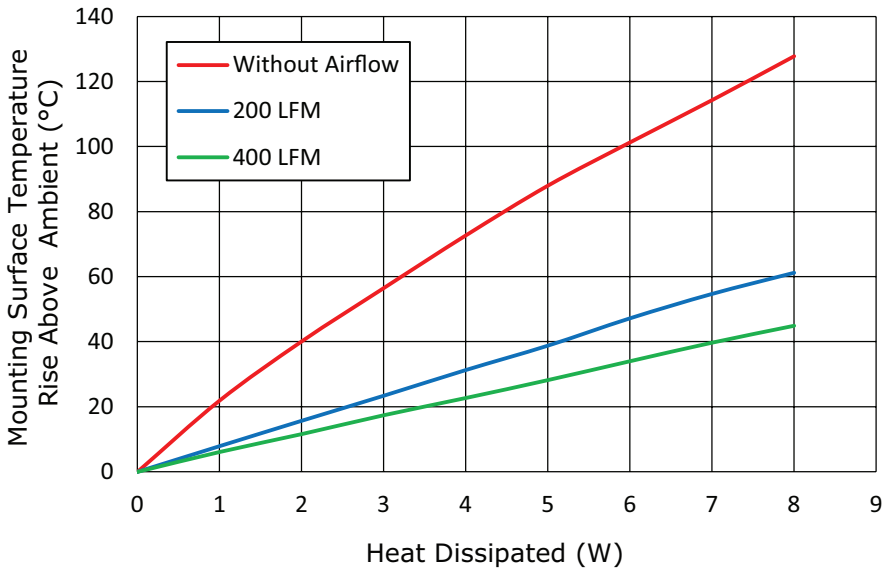
MODEL	thermal resistance[1]				power dissipation[1]
	@ 75°C ΔT, nat conv (°C/W)	**@ 1 W, nat conv** (°C/W)	**@ 1 W, 200 LFM** (°C/W)	**@ 1 W, 400 LFM** (°C/W)	**@ 75°C ΔT, nat conv** (W)
HSS10-B20-P40	18.12	21.9	7.9	6.1	4.14

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	21.9	7.9	6.1
2	40.1	15.7	11.6
3	56.5	23.4	17.4
4	72.7	31.3	22.7
5	88.0	38.8	28.2
6	101.3	47.2	34.0
7	114.3	54.7	39.7
8	127.3	61.2	44.9

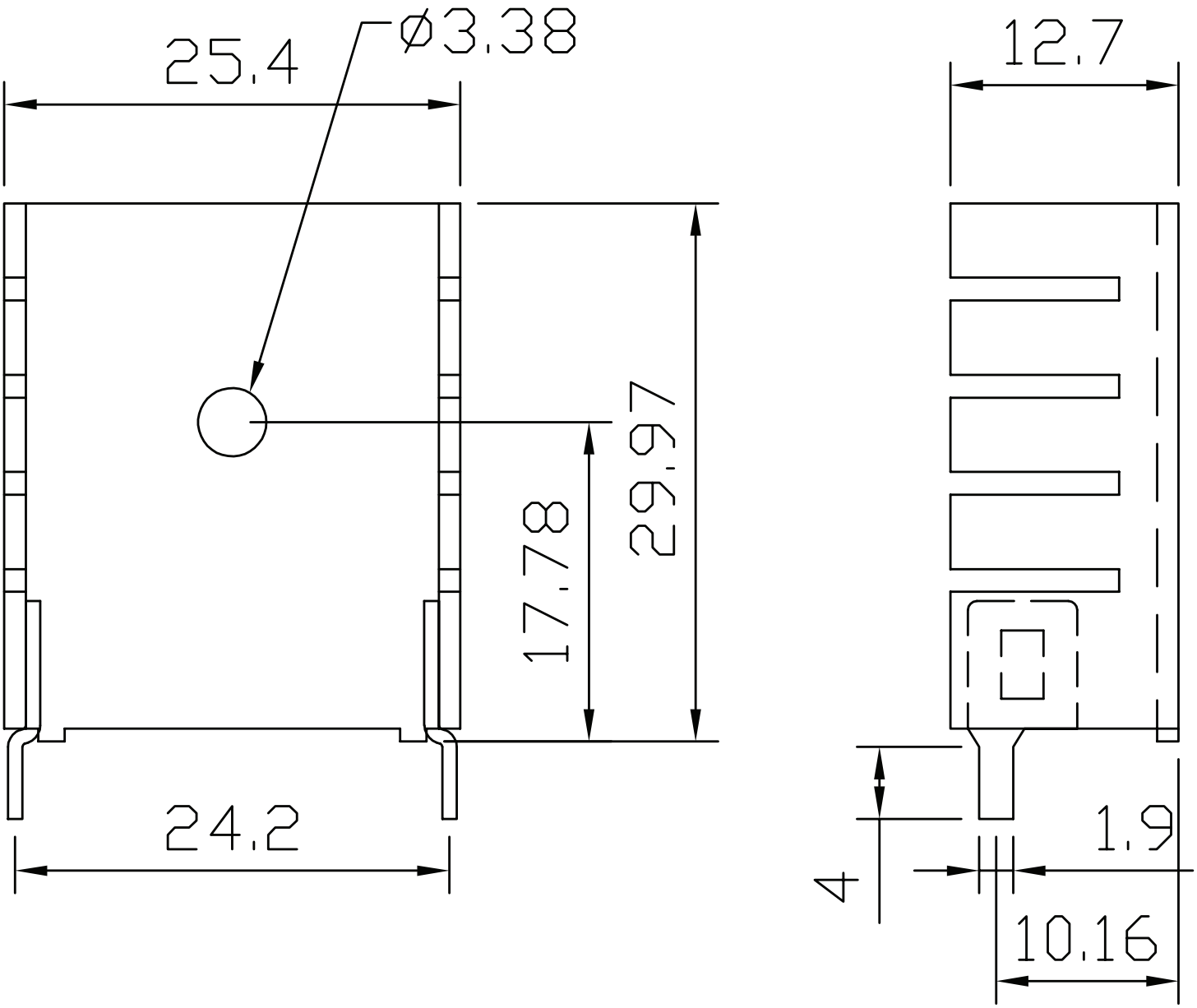
Ths: "hot spot" temperature measured on the heatsink
Ta: ambient temperature



MECHANICAL DRAWING

units: mm
tolerance: ±0.25 mm

MATERIAL	AL 1050
FINISH	black anodized
THICKNESS	1.2 mm
PIN MATERIAL	brass
PIN PLATING	2~3 µm tin
WEIGHT	5.0 g



REVISION HISTORY

rev.	description	date
1.0	initial release	06/25/2021

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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