CUI DEVICES

MODEL: HSS15-B20-P40 | **DESCRIPTION:** HEAT SINK

FEATURES

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



RoHS

MODEL

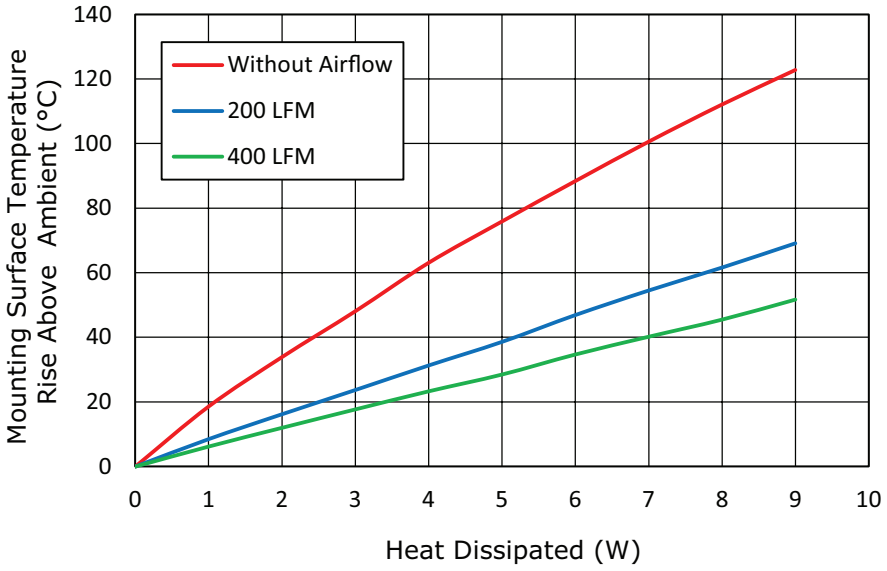
MODEL	thermal resistance[1]				power dissipation[1]
	@ 75°C ΔT, nat conv (°C/W)	**@ 1 W, nat conv** (°C/W)	**@ 1 W, 200 LFM** (°C/W)	**@ 1 W, 400 LFM** (°C/W)	**@ 75°C ΔT, nat conv** (W)
HSS15-B20-P40	15.16	18.6	8.5	6.2	4.95

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	18.6	8.5	6.2
2	33.9	16.2	12.0
3	48.1	23.7	17.7
4	63.1	31.3	23.3
5	75.9	38.6	28.5
6	88.4	46.9	34.7
7	100.6	54.5	40.2
8	112.1	61.6	45.5
9	122.8	69.1	51.7

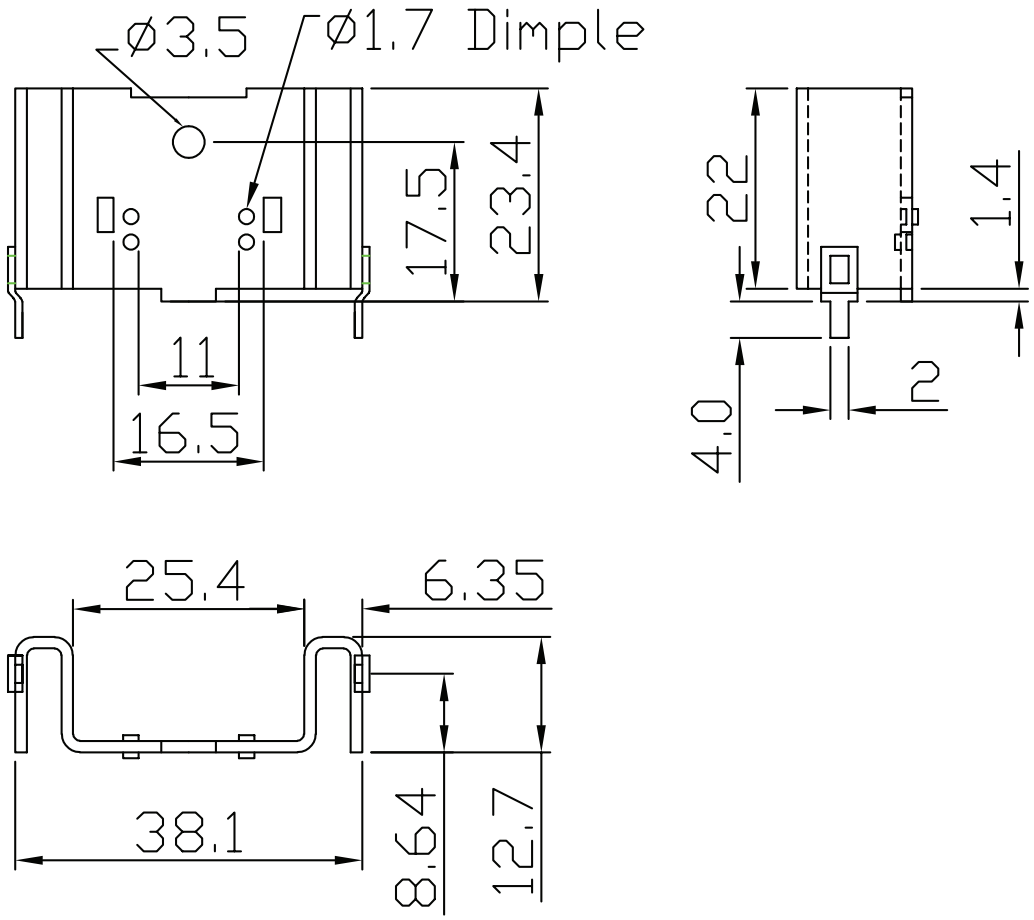
Ths: "hot spot" temperature measured on the heatsink
Ta: ambient temperature



MECHANICAL DRAWING

units: mm
tolerance: ±0.3 mm

MATERIAL	AL 1050
FINISH	black anodized
THICKNESS	1.2 mm
PIN MATERIAL	copper alloy
PIN PLATING	2~3 µm tin
WEIGHT	1.6 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

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