



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

FEATURES

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



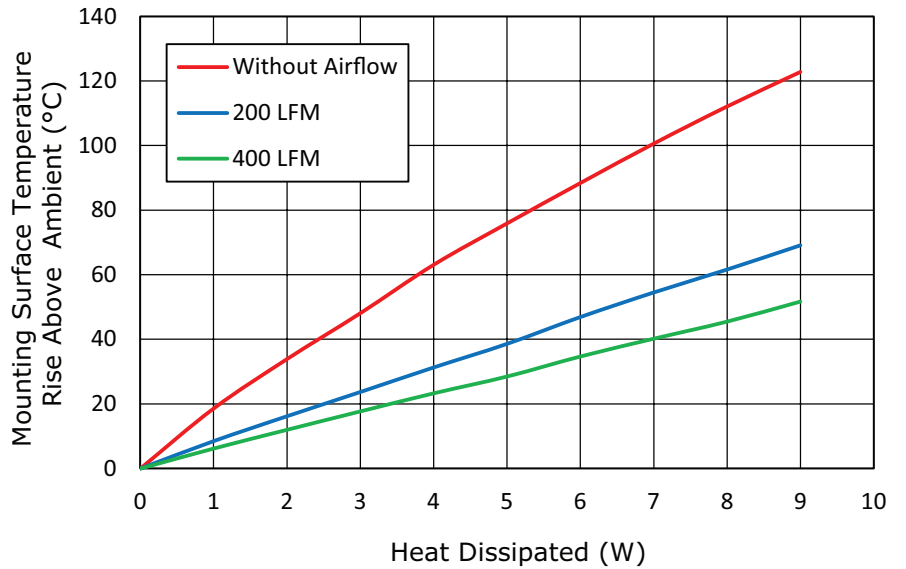
MODEL

HSS15-B20-P40	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]
	15.16	18.6	8.5	6.2	4.95

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

PERFORMANCE CURVES

Power (W)	Heatsink Temperature Rise Above Ambient (ΔT = T _{hs} - T _a) [°C]		
	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

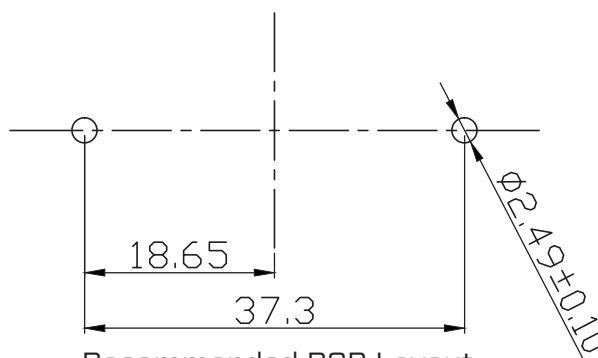
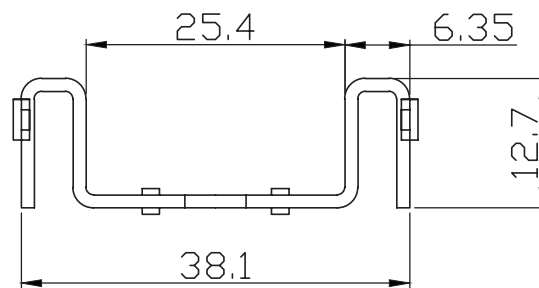
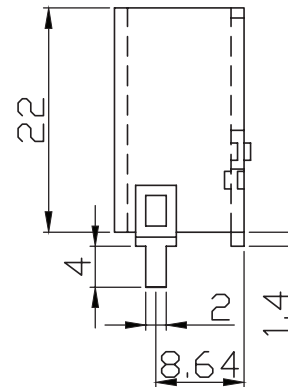
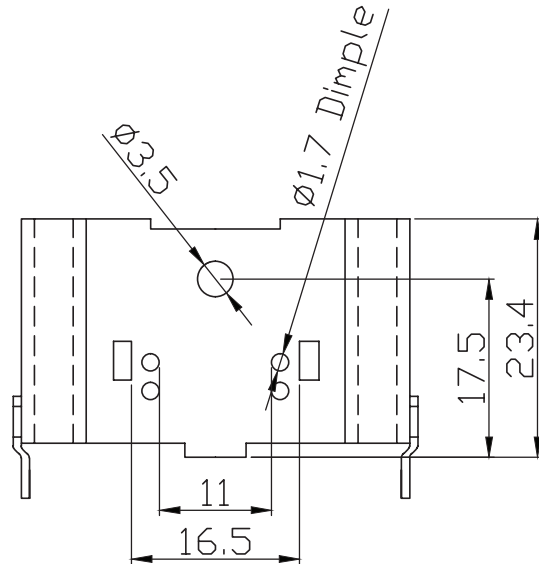


T_{hs}: "hot spot" temperature measured on the heatsink
 T_a: ambient temperature

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 μ m tin
WEIGHT	1.6 g



Recommended PCB Layout
Top View

REVISION HISTORY

rev.	description	date
1.0	initial release	06/25/2021
1.01	logo, datasheet style update	08/05/2022
1.02	CUI Devices rebranded to Same Sky	09/12/2024
1.03	added recommended PCB layout	11/14/2025

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



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