

**MODEL:** HSS03-B20-P318 | **DESCRIPTION:** HEAT SINK**FEATURES**

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

**MODEL**

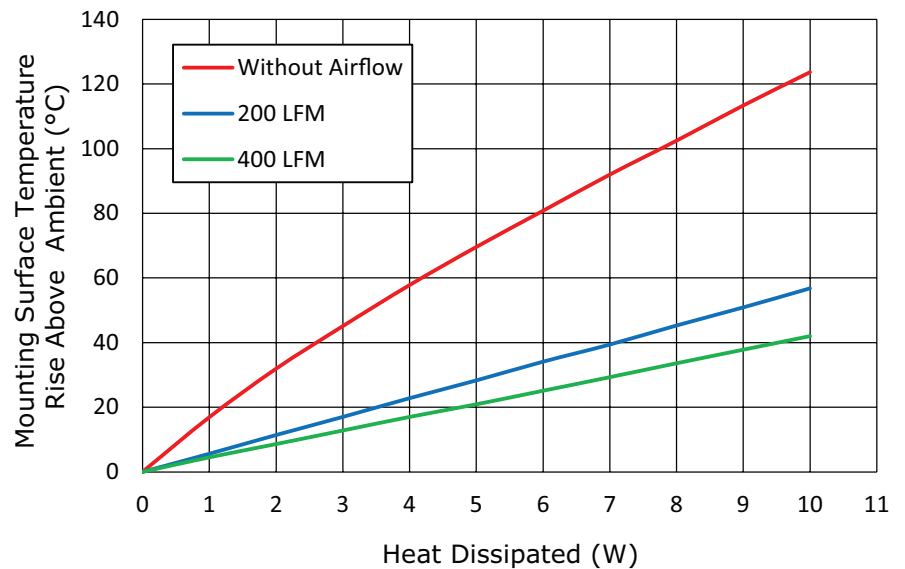
	thermal resistance ¹				power dissipation ¹
	@ 75°C ΔT , nat conv [°C/W]	@ 1 W, nat conv [°C/W]	@ 1 W, 200 LFM [°C/W]	@ 1 W, 400 LFM [°C/W]	@ 75°C ΔT , nat conv [W]
HSS03-B20-P318	13.67	16.9	5.6	4.5	5.49

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

PERFORMANCE CURVES

Power [W]	Heatsink Temperature Rise Above Ambient ($\Delta T = T_{hs} - T_a$) [°C]		
	Natural Conv.	200 LFM	400 LFM
0	0	0	0
1	16.9	5.6	4.5
2	31.9	11.4	8.6
3	45.1	17.0	12.8
4	57.8	22.8	17.0
5	69.6	28.3	20.9
6	80.8	34.1	25.1
7	92.0	39.4	29.3
8	102.5	45.3	33.6
9	113.4	50.9	37.8
10	123.7	56.8	42.0

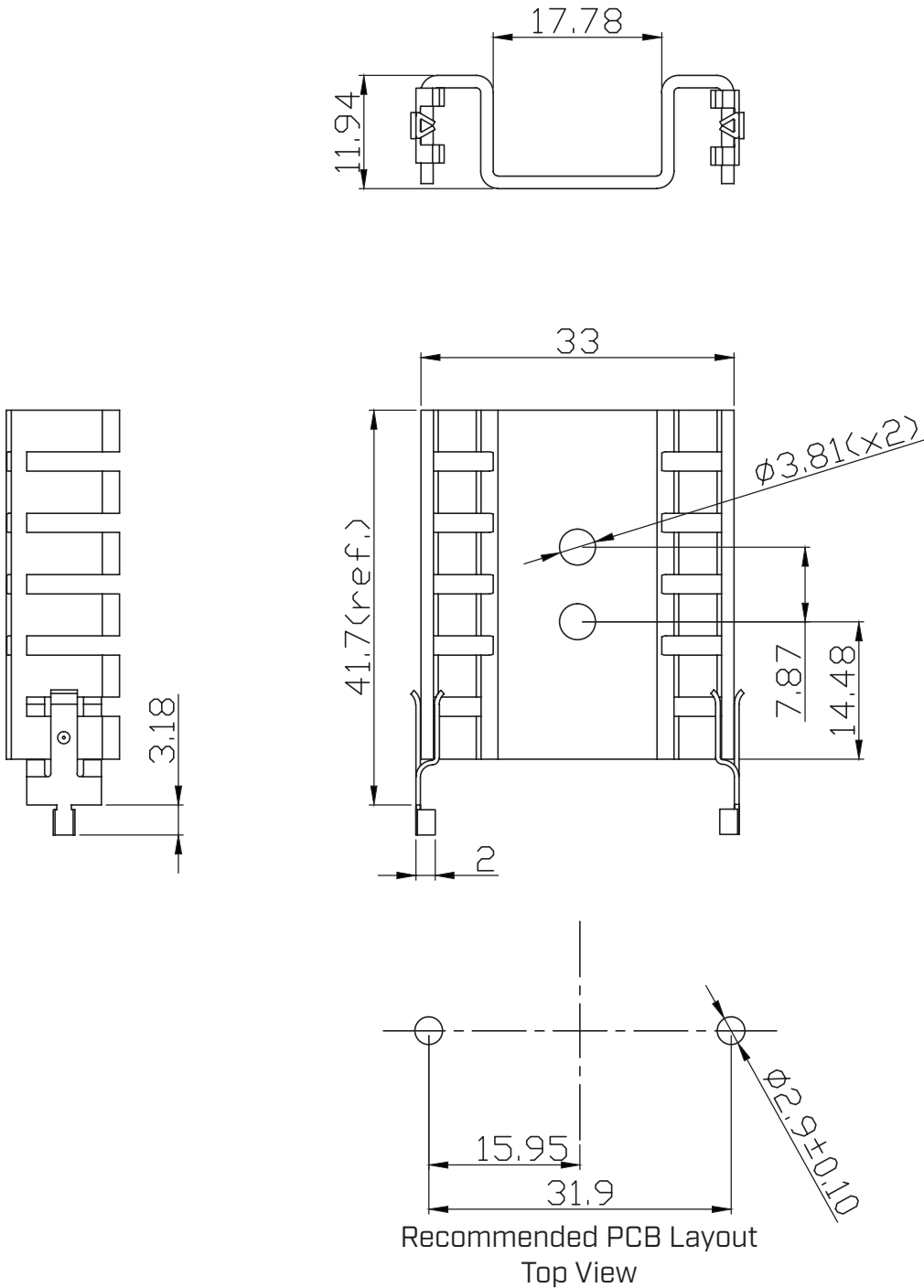
T_{hs} : "hot spot" temperature measured on the heatsink
 T_a : ambient temperature



MECHANICAL DRAWING

units: mm
tolerance: ±0.3 mm

MATERIAL	AL 1050
FINISH	black anodized
THICKNESS	1.2 mm
PIN MATERIAL	phosphor bronze
PIN PLATING	2-3 μm tin
WEIGHT	7.6 g



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.



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

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