

MODEL: HSS25-B20-P51 | **DESCRIPTION:** HEAT SINK**FEATURES**

- TO-220 or TO-218 package
- solder pin
- aluminum alloy

**MODEL**

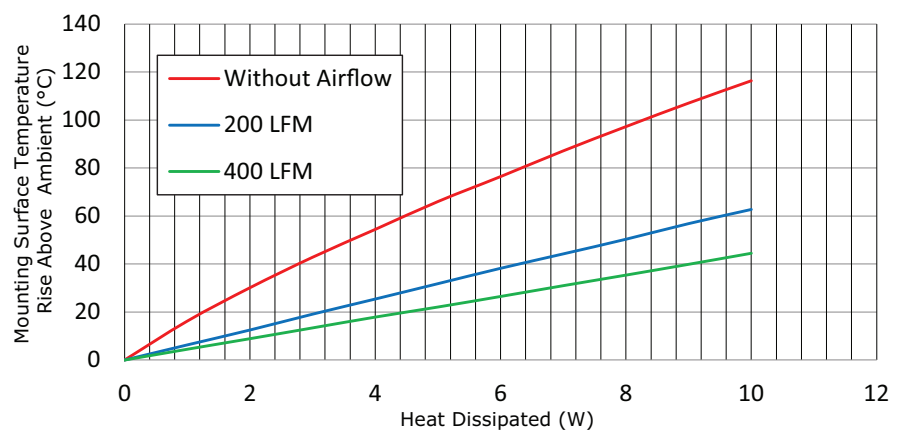
	thermal resistance ¹				power dissipation ¹
	@ 75°C ΔT, nat conv [°C/W]	@ 1 W, nat conv [°C/W]	@ 1 W, 200 LFM [°C/W]	@ 1 W, 400 LFM [°C/W]	@ 75°C ΔT, nat conv [W]
HSS25-B20-P51	12.75	16.2	6.3	4.5	5.88

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	16.2	6.3	4.5
2	30.1	12.5	8.9
3	42.8	19.1	13.4
4	54.4	25.4	17.9
5	66.0	31.8	22.1
6	76.4	38.2	26.5
7	87.1	44.2	31.0
8	97.2	50.3	35.4
9	107.0	56.8	39.9
10	116.3	62.7	44.5

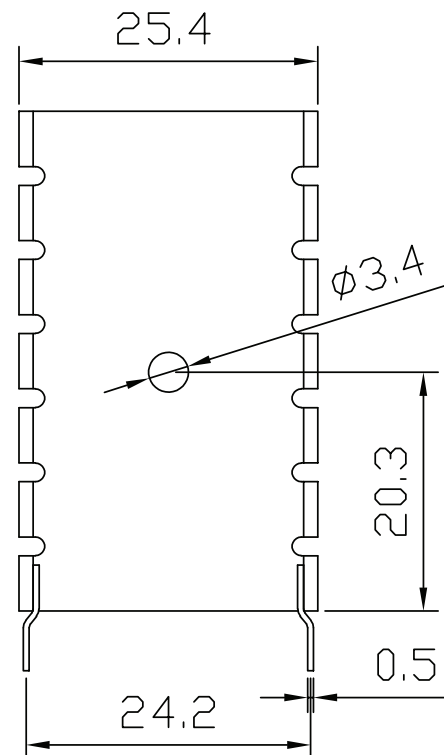
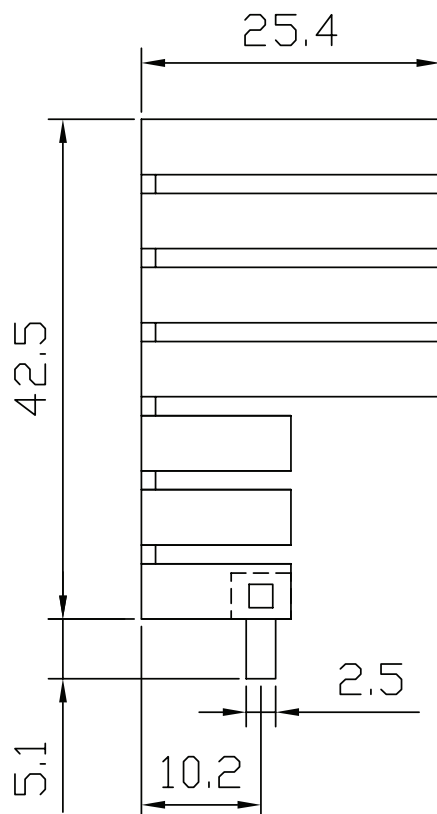
T_{hs}: "hot spot" temperature measured on the heatsink
T_a: ambient temperature



MECHANICAL DRAWING

units: mm
tolerance: ± 0.5 mm

MATERIAL	AL 1050
FINISH	black anodized
THICKNESS	1.2 mm
PIN MATERIAL	brass
PIN PLATING	tin
WEIGHT	9.3 g



REVISION HISTORY

rev.	description	date
1.0	initial release	04/20/2022
1.01	logo, datasheet style update	08/05/2022

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



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

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