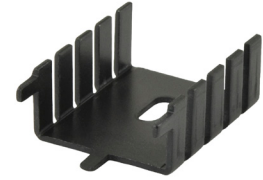


SERIES: HSS-B20-0508H | **DESCRIPTION:** HEAT SINK

FEATURES

- TO-220 package
- round or slot hole attachment options
- three tabs for stable PCB placement
- black anodized finish


MODEL

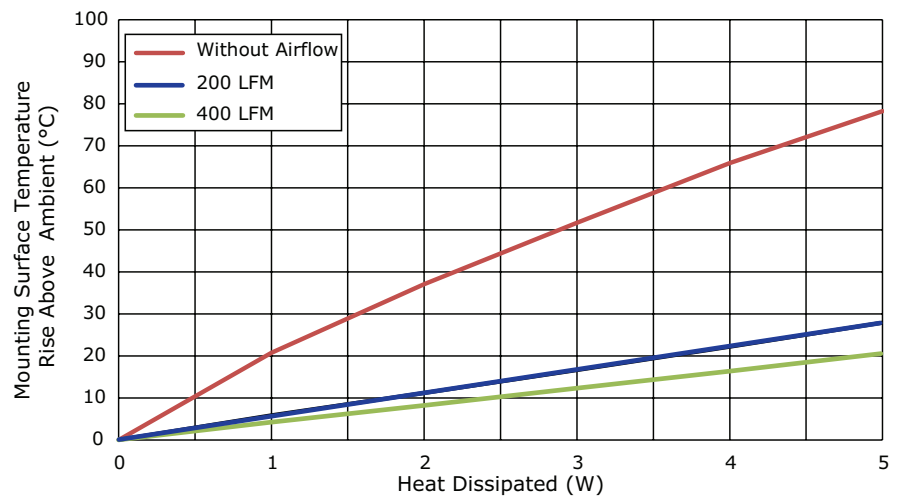
	mounting hole		thermal resistance ¹				power dissipation ¹
	type	size [mm]	@ 75°C ΔT, nat conv [°C/W]	@ 1 W, nat conv [°C/W]	@ 1 W, 200 LFM [°C/W]	@ 1 W, 400 LFM [°C/W]	@ 75°C ΔT, nat conv [W]
HSS-B20-0508H-01R	round	Ø3.81	15.83	20.74	5.87	4.22	4.74
HSS-B20-0508H-01S	slot	3.9 x 9.52	15.83	20.74	5.87	4.22	4.74

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	20.74	5.87	4.22
2	37.04	11.20	8.21
3	51.71	16.65	12.28
4	65.89	22.18	16.35
5	78.28	27.93	20.51

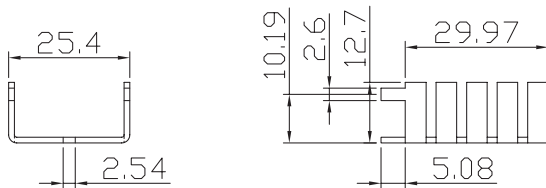
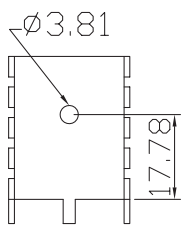
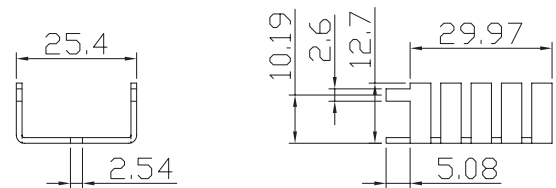
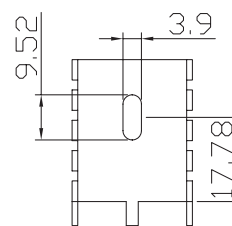
T_{hs}: "hot spot" temperature measured on the heatsink
T_a: ambient temperature



MECHANICAL DRAWING

units: mm
tolerance: ± 0.5 mm

MATERIAL	AL1050
FINISH	black anodized
THICKNESS	1.2 mm
WEIGHT	HSS-B20-0508H-01R: 4.3 g HSS-B20-0508H-01S: 4.3 g

HSS-B20-0508H-01R**HSS-B20-0508H-01S**

REVISION HISTORY

rev.	description	date
1.0	initial release	03/29/2017
1.01	brand update	02/12/2020
1.02	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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