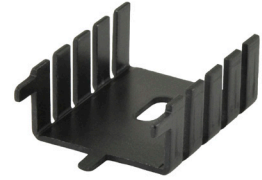


**SERIES:** HSS-B20-0508H | **DESCRIPTION:** HEAT SINK**FEATURES**

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

**MODEL**

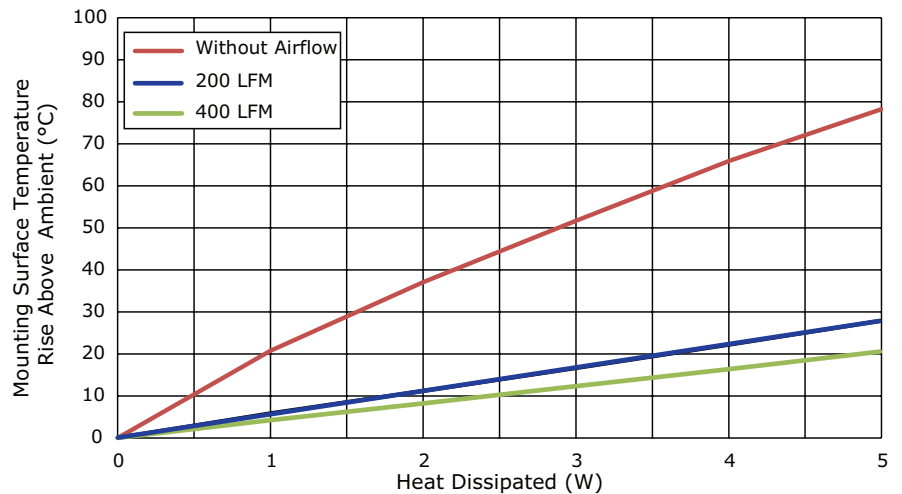
	mounting hole		thermal resistance <sup>1</sup>				power dissipation <sup>1</sup>
	type	size [mm]	@ 75°C $\Delta T$ , nat conv [°C/W]	@ 1 W, nat conv [°C/W]	@ 1 W, 200 LFM [°C/W]	@ 1 W, 400 LFM [°C/W]	@ 75°C $\Delta T$ , nat conv [W]
HSS-B20-0508H-01R	round	Ø3.81	15.83	20.74	5.87	4.22	4.74
HSS-B20-0508H-01S	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 ( $\Delta T = T_{hs} - T_a$ ) [°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

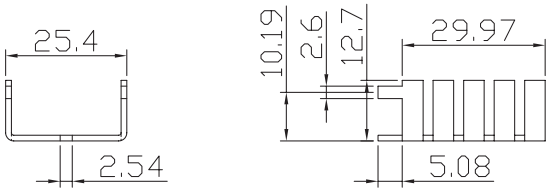
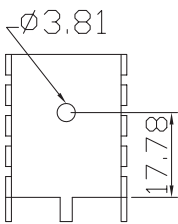


MECHANICAL DRAWING

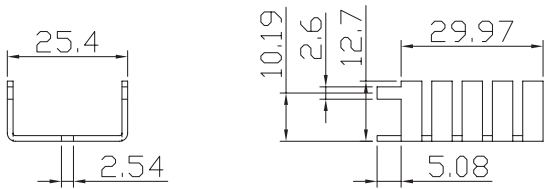
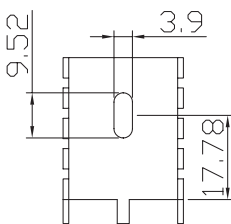
units: mm  
tolerance: ±0.5 mm

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
1.03	CUI Devices rebranded to Same Sky	09/12/2024

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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Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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