



**SERIES:** HSS-B20-04 | **DESCRIPTION:** HEAT SINK

**FEATURES**

- TO-220 package
- available with and without solder pins
- slide in style for easy component attachment
- black anodized finish



**MODEL**

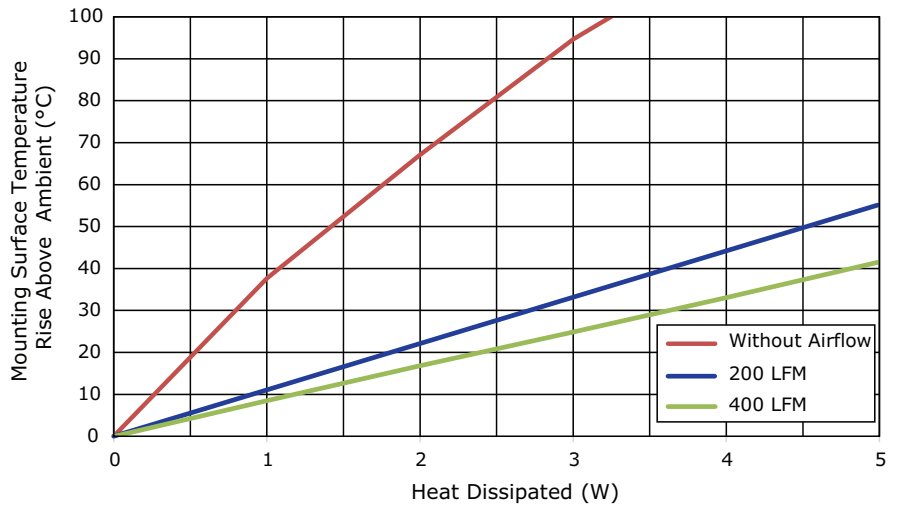
	solder pin		thermal resistance <sup>1</sup>				power dissipation <sup>1</sup>
	orientation	length [mm]	@ 75°C ΔT, nat conv [°C/W]	@ 1 W, nat conv [°C/W]	@ 1 W, 200 LFM [°C/W]	@ 1 W, 400 LFM [°C/W]	@ 75°C ΔT, nat conv [W]
HSS-B20-061H-01	horizontal	6.1	33.28	37.62	11.04	8.48	2.25
HSS-B20-0953H-01	horizontal	9.53	33.28	37.62	11.04	8.48	2.25
HSS-B20-NP-07	no pin	--	33.28	37.62	11.04	8.48	2.25

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

**PERFORMANCE CURVES**

Power [W]	Heatsink Temperature Rise Above Ambient (ΔT = T <sub>hs</sub> - T <sub>a</sub> ) [°C]		
	Natural Conv.	200 LFM	400 LFM
0	0	0	0
1	37.62	11.04	8.48
2	67.10	22.01	16.80
3	94.67	32.92	24.82
4	116.45	43.78	32.98
5	135.00	55.12	41.47

T<sub>hs</sub>: "hot spot" temperature measured on the heatsink  
T<sub>a</sub>: ambient temperature

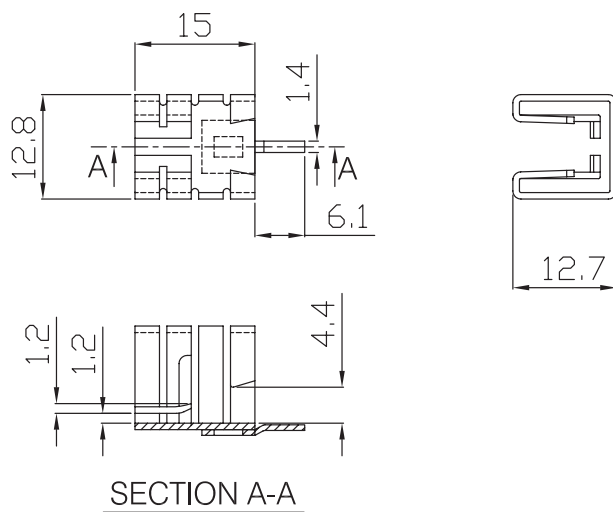


## MECHANICAL DRAWING

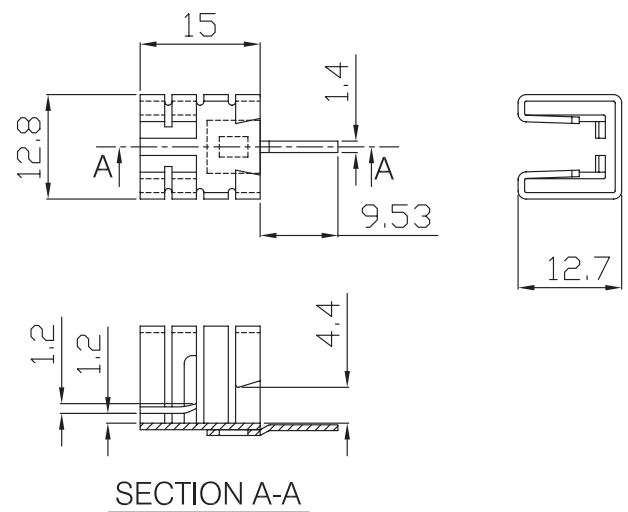
units: mm  
tolerance: ±0.5 mm

MATERIAL	AL5052
FINISH	black anodized
THICKNESS	0.8 mm
PIN MATERIAL	brass
PIN PLATING	tin
WEIGHT	HSS-B20-061H-01: 1.6 g HSS-B20-0953H-01: 1.6 g HSS-B20-NP-07: 1.3 g

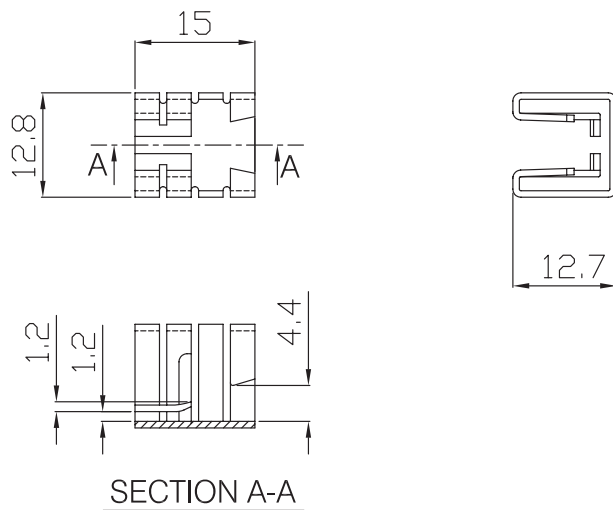
**HSS-B20-061H-01**



**HSS-B20-0953H-01**



**HSS-B20-NP-07**



## REVISION HISTORY

rev.	description	date
1.0	initial release	03/29/2017
1.01	brand update	02/11/2020
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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