

**MODEL:** HSS-B20-NP-12 | **DESCRIPTION:** HEAT SINK**FEATURES**

- TO-220 package
- round hole for component attachment
- two hole options for longer components pins
- black anodized finish

**MODEL**

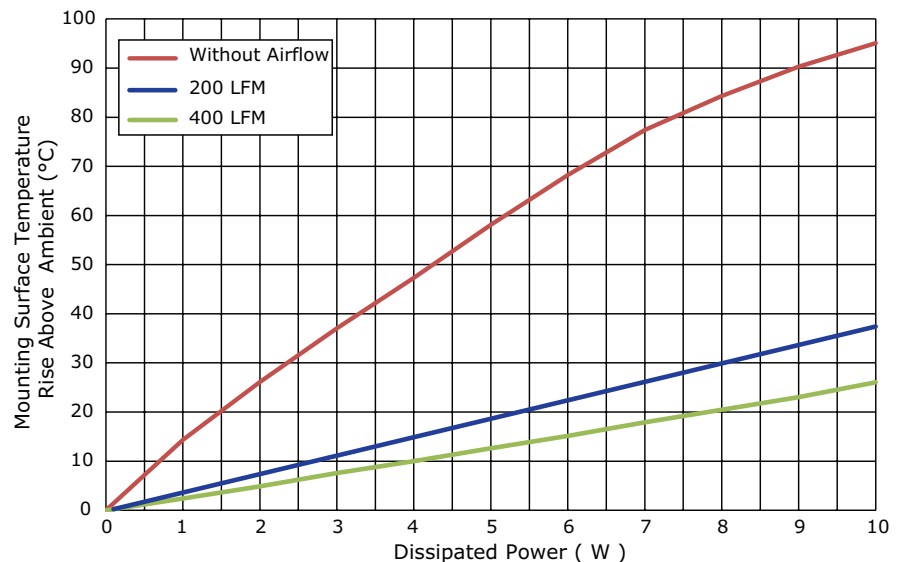
	thermal resistance ¹				power dissipation ¹
	@ 75°C ΔT, nat conv [°C/W]	@ 1 W, nat conv [°C/W]	@ 1 W, 200 LFM [°C/W]	@ 1 W, 400 LFM [°C/W]	@ 75°C ΔT, nat conv [W]
HSS-B20-NP-12	11.03	14.33	3.47	2.42	6.80

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	14.33	3.47	2.42
2	26.13	7.20	4.89
3	37.06	11.03	7.60
4	47.31	14.48	10.02
5	58.11	18.05	12.62
6	68.23	21.56	15.13
7	77.41	25.39	17.88
8	84.32	29.25	20.46
9	90.32	32.97	23.03
10	95.09	37.42	26.04

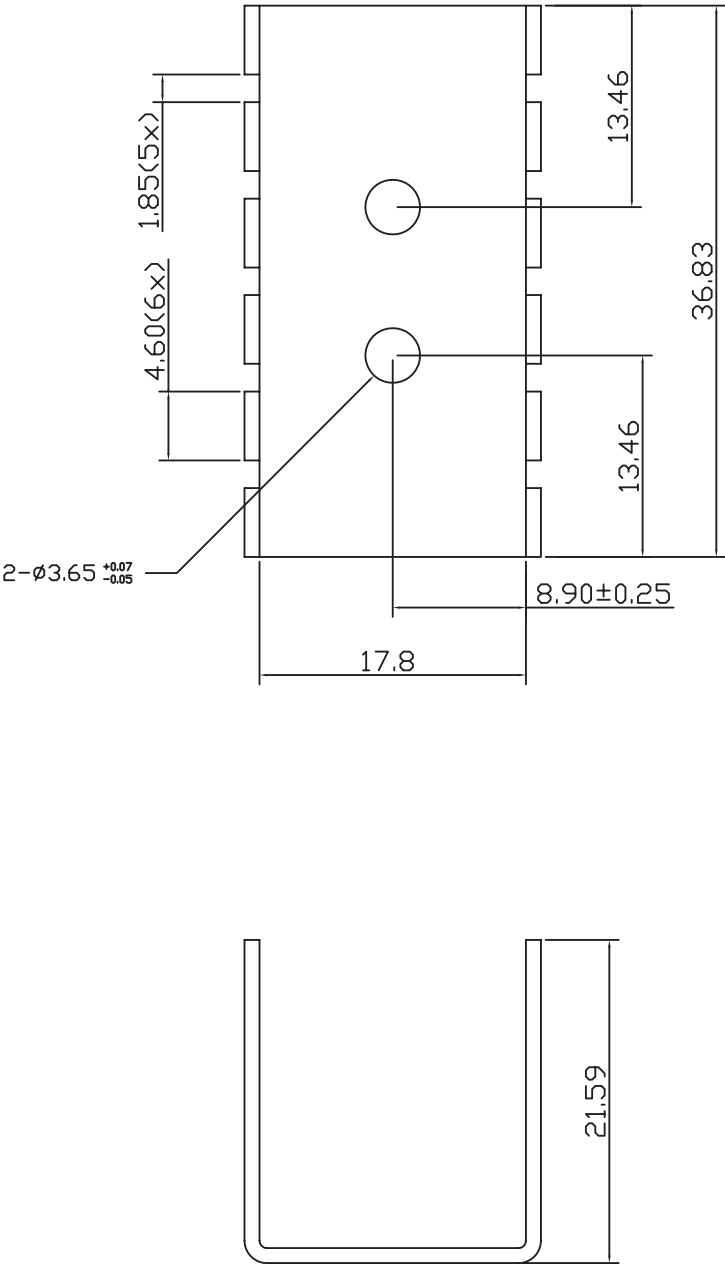
T_{hs}: "hot spot" temperature measured on the heatsink
T_a: ambient temperature



MECHANICAL DRAWING

units: mm
tolerance: ±0.5 mm

MATERIAL	AL1100
FINISH	black anodized
THICKNESS	1.0 mm
WEIGHT	5.0 g



REVISION HISTORY

rev.	description	date
1.0	initial release	04/03/2017
1.01	brand update	02/13/2020
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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