



MODEL: HSS27-B20-P43 | **DESCRIPTION:** HEAT SINK

FEATURES

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



MODEL

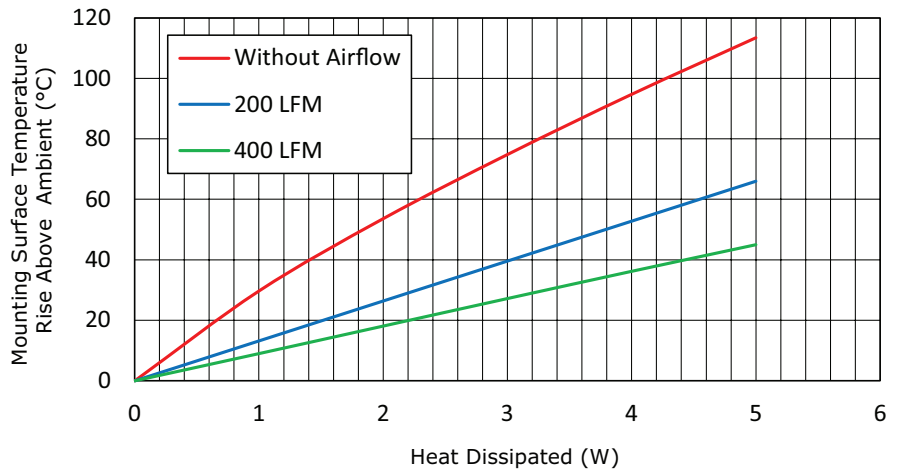
	thermal resistance ¹				power dissipation ¹ @ 75°C ΔT, nat conv [W]
	@ 75°C ΔT, nat conv [°C/W]	@ 1 W, nat conv [°C/W]	@ 1 W, 200 LFM [°C/W]	@ 1 W, 400 LFM [°C/W]	
HSS27-B20-P43	24.79	29.7	13.2	9.0	3.03

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	29.7	13.2	9.0
2	53.6	26.4	18.1
3	74.8	39.6	27.2
4	94.7	52.8	36.2
5	113.4	66.0	45.0

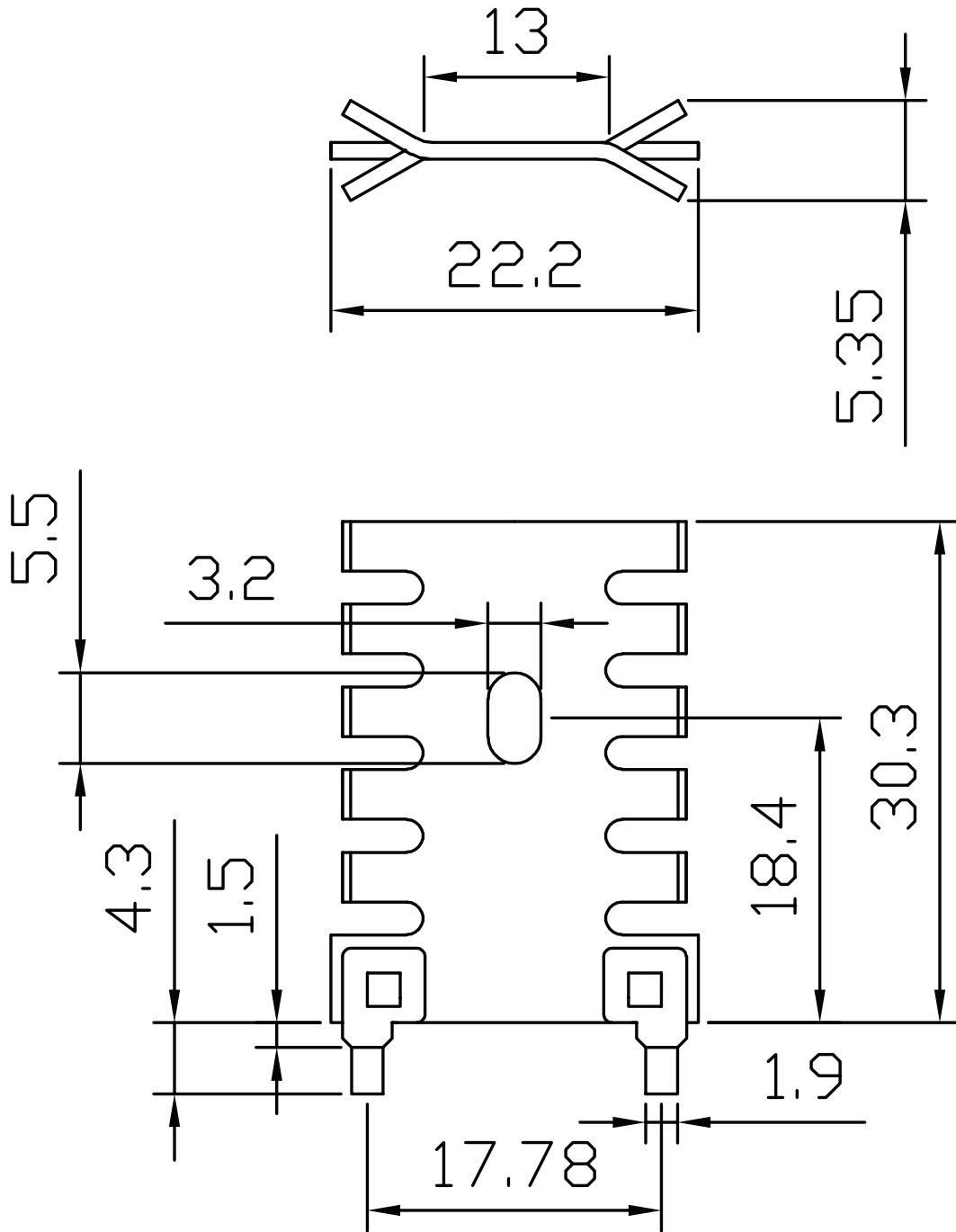
T_{hs}: "hot spot" temperature measured on the heatsink
T_a: ambient temperature



MECHANICAL DRAWING

units: mm
tolerance: ±0.5 mm

MATERIAL	AL 1050
FINISH	black anodized
THICKNESS	1.0 mm
PIN MATERIAL	brass
PIN PLATING	tin
WEIGHT	2.2 g



REVISION HISTORY

rev.	description	date
1.0	initial release	04/22/2022
1.01	logo, datasheet style update	08/05/2022
1.02	CUI Devices rebranded to Same Sky	09/12/2024

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

The logo for Same Sky, featuring the words "same sky" in a lowercase, sans-serif font. "same" is in a dark purple color, and "sky" is in a lighter purple color.

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

Same Sky reserves the right to make changes to the product at any time without notice. Information provided by Same Sky is believed to be accurate and reliable. However, no responsibility is assumed by Same Sky for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

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