

date 08/05/2022

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

FEATURES

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





MODEL thermal resistance1 power dissipation¹ @ 75°C ∆T, nat @ 1 W, @ 1 W, @ 1 W, @ 75°C ∆T, nat 400 LFM conv (°C/W) 200 LFM nat conv conv (°C/W) $(^{\circ}C/W)$ (°C/W) (W) 24.79 29.7 13.2 9.0 3.03 HSS27-B20-P43

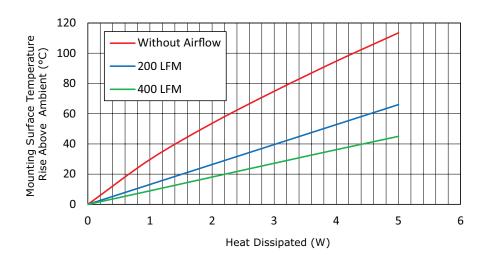
1. See performance curves for full thermal resistance details.

PERFORMANCE CURVES

	Heatsink Temperature Rise Above Ambient (ΔT = Ths - Ta) (°C)		
Power (W)	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

Ths: "hot spot" temperature measured on the heatsink

Ta: ambient temperature

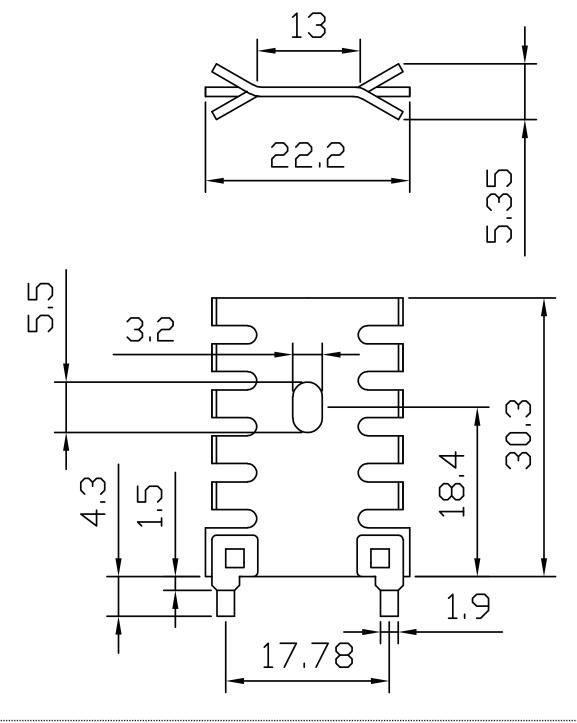


MECHANICAL DRAWING

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

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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