CUI DEVICES

late 06/25/2021

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MODEL: HSS03-B20-P318 | DESCRIPTION: HEAT SINK

FEATURES

- TO-220 package
- solder pin
- aluminum alloy
- black anodized finish





thermal resistance¹ power dissipation1 @ 75°C ∆T, @ 75°C ∆T, @ 1 W, @ 1 W, @ 1 W, 400 LFM 200 LFM nat conv nat conv nat conv (°C/W) (°C/W) (°C/W) (°C/W) (W) 16.9 5.6 4.5 HSS03-B20-P318 13.67 5.49

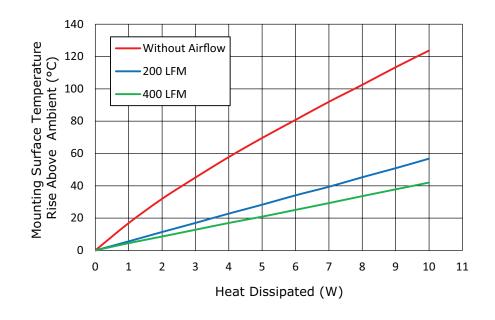
Note: 1. See performance curves for full thermal resistance details.

PERFORMANCE CURVES

	Heatsink Temperature Rise Above Ambient ($\Delta T = Ths - Ta$) (°C)			
Power (W)	Natural Conv.	200 LFM	400 LFM	
0	0	0	0	
1	16.9	5.6	4.5	
2	31.9	11.4	8.6	
3	45.1	17.0	12.8	
4	57.8	22.8	17.0	
5	69.6	28.3	20.9	
6	80.8	34.1	25.1	
7	92.0	39.4	29.3	
8	102.5	45.3	33.6	
9	113.4	50.9	37.8	
10	123.7	56.8	42.0	
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Ths: "hot spot" temperature measured on the heatsink

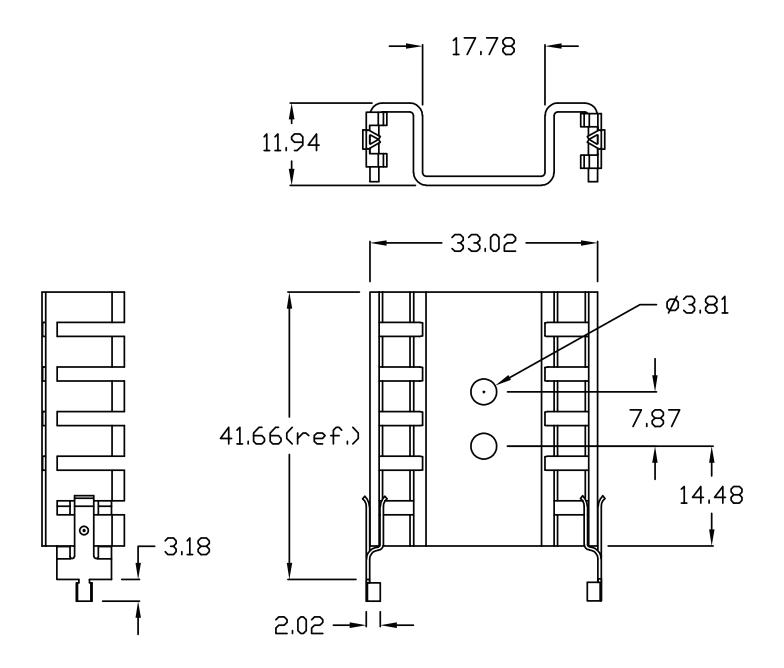
Ta: ambient temperature



MECHANICAL DRAWING

units: mm tolerance: ±0.3 mm

MATERIAL	AL 1050
FINISH	black anodized
THICKNESS	1.2 mm
PIN MATERIAL	phosphor bronze
PIN PLATING	2~3 μm tin
WEIGHT	7.6 g



Additional Resources: Product Page | 3D Model

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REVISION HISTORY

rev.	description	date
1.0	initial release	06/25/2021

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

CUI DEVICES

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

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