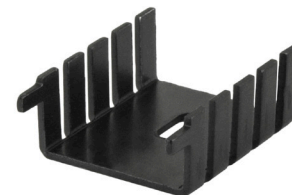


SERIES: HSS-B20-NPX-02 | DESCRIPTION: HEAT SINK

FEATURES

- TO-220 package
- round or slot hole attachment options
- black anodized finish
- aluminum



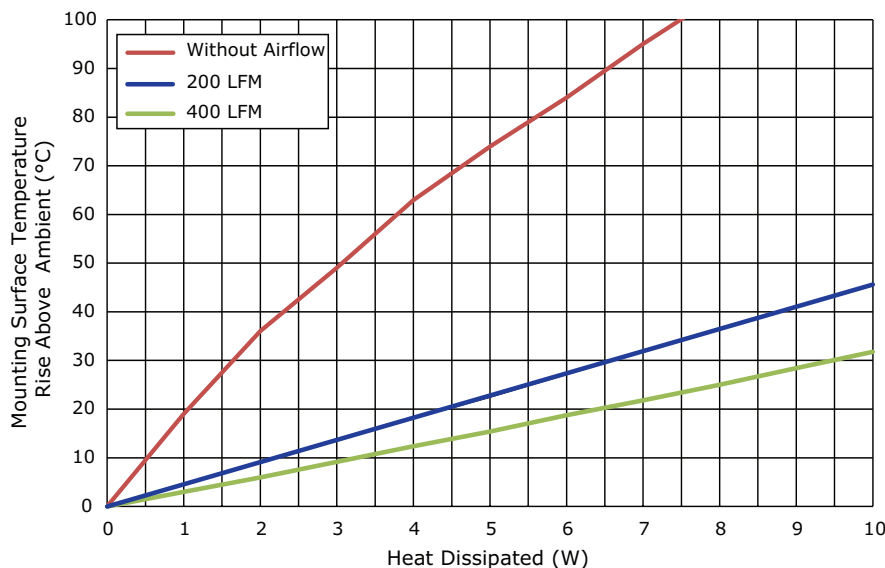
MODEL

MODEL	mounting hole		thermal resistance ¹				power dissipation ¹ @ 75°C ΔT, nat conv (W)
	type	size (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)	
HSS-B20-NPR-02	round	Ø3.81	14.71	18.99	4.20	3.00	5.10
HSS-B20-NPS-02	slot	3.9 x 9.52	14.71	18.99	4.20	3.00	5.10

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	18.99	4.20	3.00
2	36.06	8.84	5.97
3	49.01	13.51	9.16
4	62.95	17.94	12.37
5	73.94	22.27	15.40
6	84.05	26.97	18.76
7	95.04	31.60	21.79
8	105.21	36.59	25.01
9	113.51	40.90	28.42
10	116.17	45.59	31.75



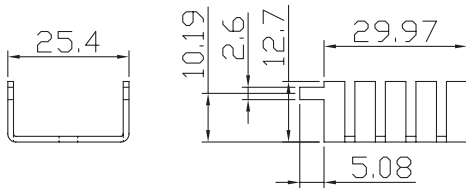
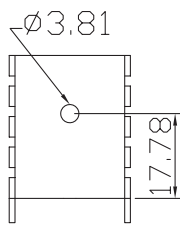
T_{hs}: "hot spot" temperature measured on the heatsink
 T_a: ambient temperature

MECHANICAL DRAWING

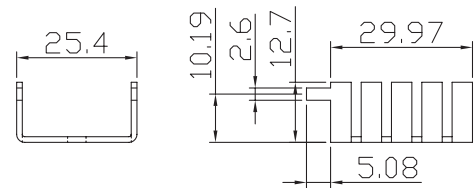
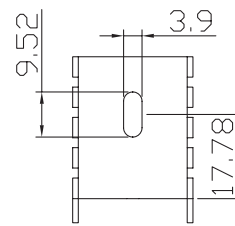
units: mm
tolerance: ±0.5 mm

MATERIAL	AL1050
FINISH	black anodized
THICKNESS	1.2 mm
WEIGHT	HSS-B20-NPR-02: 4.3 g HSS-B20-NPS-02: 4.3 g

HSS-B20-NPR-02



HSS-B20-NPS-02



REVISION HISTORY

rev.	description	date
1.0	initial release	03/30/2017
1.01	brand update	02/13/2020

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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