CUI DEVICES

date 02/13/2020

page 1 of 3

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





thermal resistance¹ power dissipation¹ @ 1 W, 400 LFM @ 75°C ∆T, @ 75°C ∆T, @ 1 W, @ 1 W, 200 LFM nat conv nat conv nat conv (°C/W) (°C/W) (°C/W) (°C/W) (W) HSS-B20-NP-12 3.47 2.42 11.03 14.33 6.80

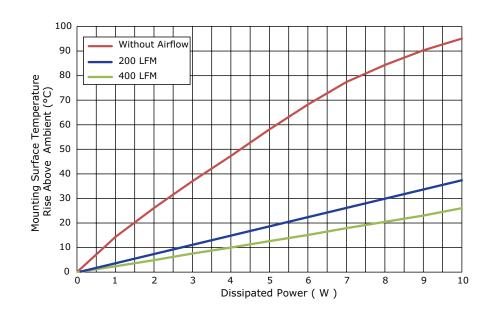
Note: 1. See performance curves for full thermal resistance details.

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	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

Ths: "hot spot" temperature measured on the heatsink

Ta: ambient temperature



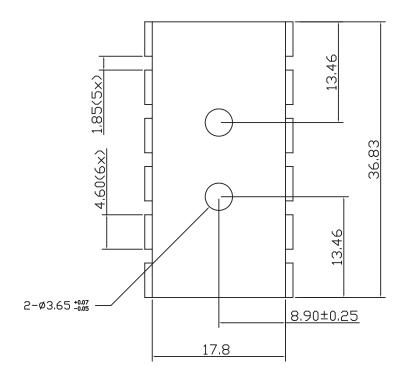
Additional Resources: Product Page | 3D Model

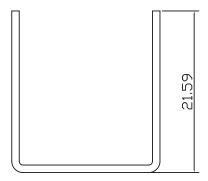
CUI Devices | MODEL: HSS-B20-NP-12 | DESCRIPTION: HEAT SINK **date** 02/13/2020 | **page** 2 of 3

MECHANICAL DRAWING

units: mm tolerance: ±0.5 mm

MATERIAL	AL1100
FINISH	black anodized
THICKNESS	1.0 mm
WEIGHT	5.0 g





Additional Resources: Product Page | 3D Model

CUI Devices | MODEL: HSS-B20-NP-12 | DESCRIPTION: HEAT SINK date 02/13/2020 | page 3 of 3

REVISION HISTORY

rev.	description	date
1.0	initial release	04/03/2017
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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