

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

FEATURES

- TO-220 package
- available with and without solder pins
- folded backfins for maximum cooling
- black anodized finish





MODEL	solder pin			thermal resistance ¹			power dissipation ¹
	orientation	length (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)	@ 75°C ∆T, nat conv (W)
HSS-B20-074H	horizontal	7.4	20.59	27.22	5.39	4.51	3.64
HSS-B20-097H	horizontal	9.7	20.59	27.22	5.39	4.51	3.64
HSS-B2O-NP-O2	no pin		20.59	27.22	5.39	4.51	3.64

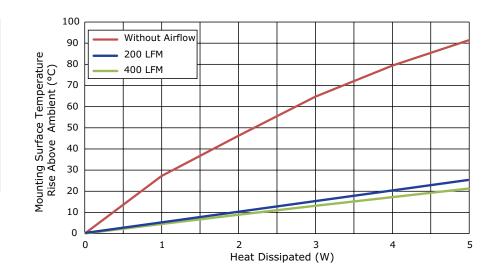
Note: 1. See performance curves for full thermal resistance details.

PERFORMANCE CURVES

	Heatsink Temperature Rise Above Ambient (ΔT = Ths - Ta) (°C)				
Power (W)	Natural Conv.	200 LFM	400 LFM		
0	0	0	0		
1	27.22	5.39	4.51		
2	46.27	10.41	8.92		
3	64.76	15.66	13.12		
4	79.42	20.53	17.21		
5	91.49	25.37	21.27		

Ths: "hot spot" temperature measured on the heatsink Ta: ambient temperature

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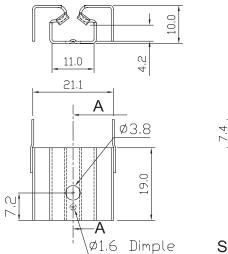


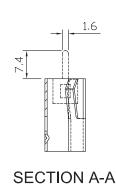
MECHANICAL DRAWING

units: mm tolerance: ±0.5 mm

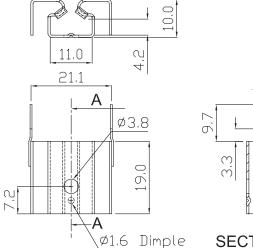
MATERIAL	AL5052
FINISH	black anodized
THICKNESS	0.8 mm
PIN MATERIAL	brass
PIN PLATING	tin
WEIGHT	HSS-B20-074H: 3.0 g HSS-B20-097H: 3.0 g HSS-B20-NP-02: 2.6 g

HSS-B20-074H

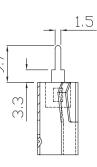




HSS-B20-097H

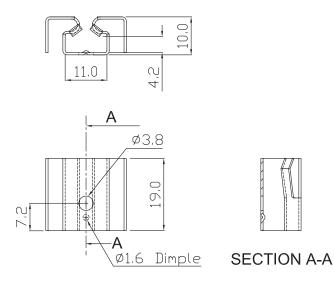


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SECTION A-A

HSS-B20-NP-02



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REVISION HISTORY

rev.	description	date
1.0	initial release	03/29/2017
1.01	brand update	02/11/2020
1.02	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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