

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

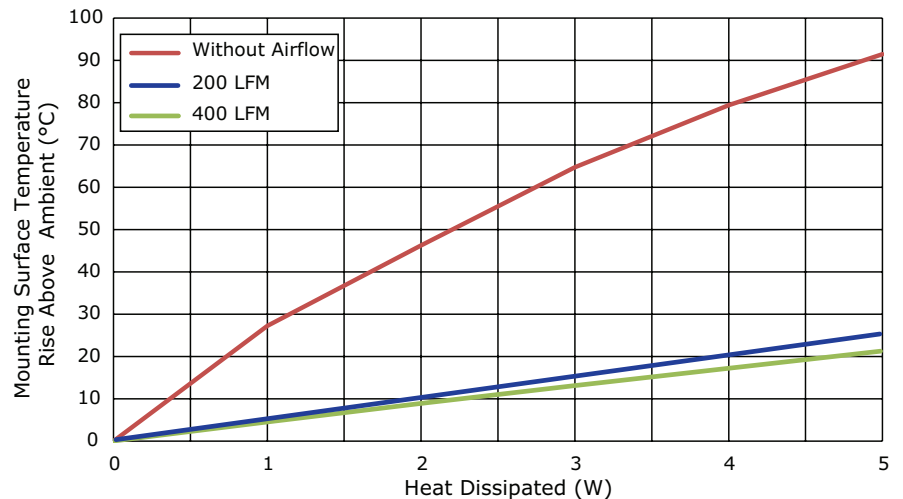
MODEL	solder pin		thermal resistance ¹				power dissipation ¹
	orientation	length (mm)	@ 75°C ΔT, nat conv (°C/W)	@ 1 W, nat conv (°C/W)	@ 1 W, 200 LFM (°C/W)	@ 1 W, 400 LFM (°C/W)	@ 75°C ΔT, nat conv (W)
HSS-B20-074H	horizontal	7.4	20.59	27.22	5.39	4.51	3.64
HSS-B20-097H	horizontal	9.7	20.59	27.22	5.39	4.51	3.64
HSS-B20-NP-02	no pin	--	20.59	27.22	5.39	4.51	3.64

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	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

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

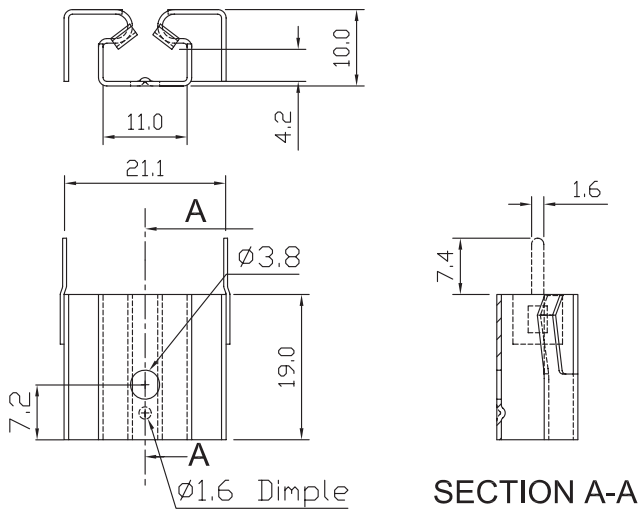


MECHANICAL DRAWING

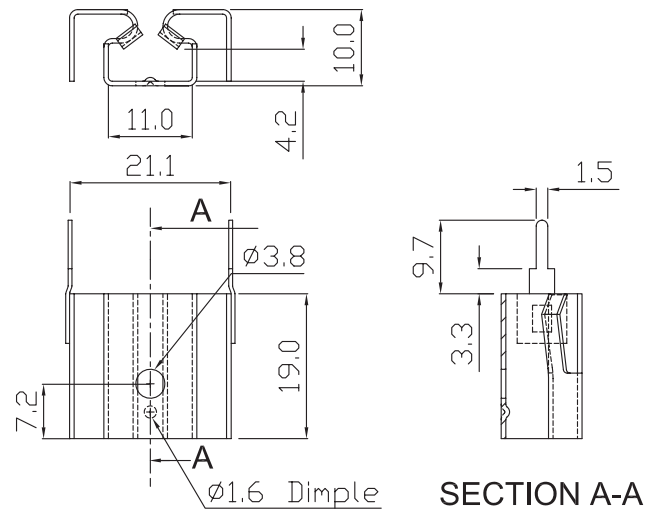
units: mm
tolerance: ±0.5 mm

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

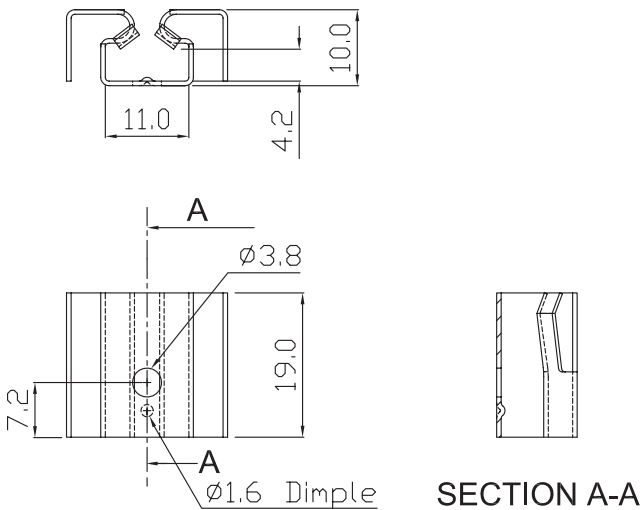
HSS-B20-074H



HSS-B20-097H



HSS-B20-NP-02



REVISION HISTORY

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

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

CUI DEVICES

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