

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

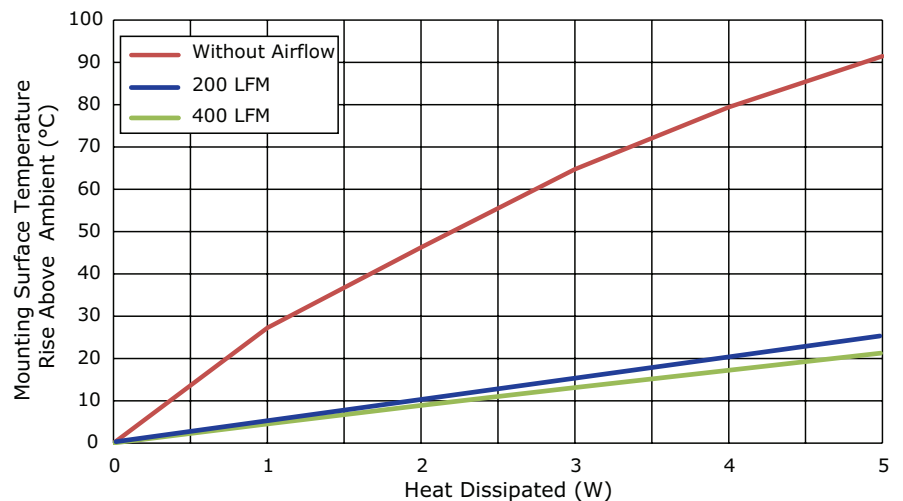
	solder pin		thermal resistance ¹				power dissipation ¹
	orientation	length [mm]	@ 75°C ΔT, nat conv [°C/W]	@ 1 W, nat conv [°C/W]	@ 1 W, 200 LFM [°C/W]	@ 1 W, 400 LFM [°C/W]	@ 75°C ΔT, nat conv [W]
HSS-B20-074H	horizontal	7.4	20.59	27.22	5.39	4.51	3.64
HSS-B20-097H	horizontal	9.7	20.59	27.22	5.39	4.51	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

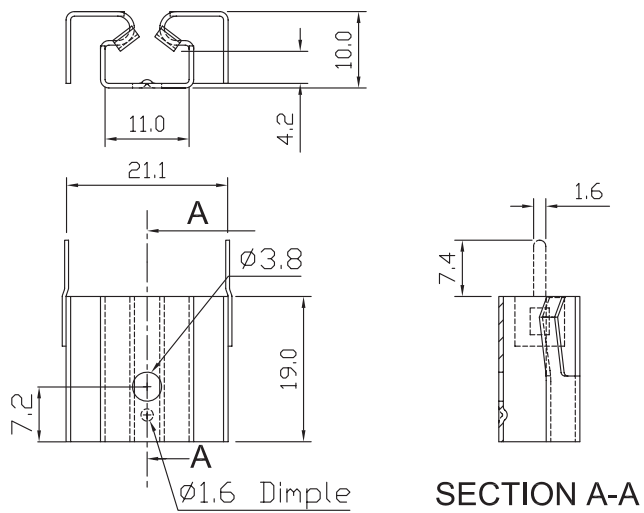
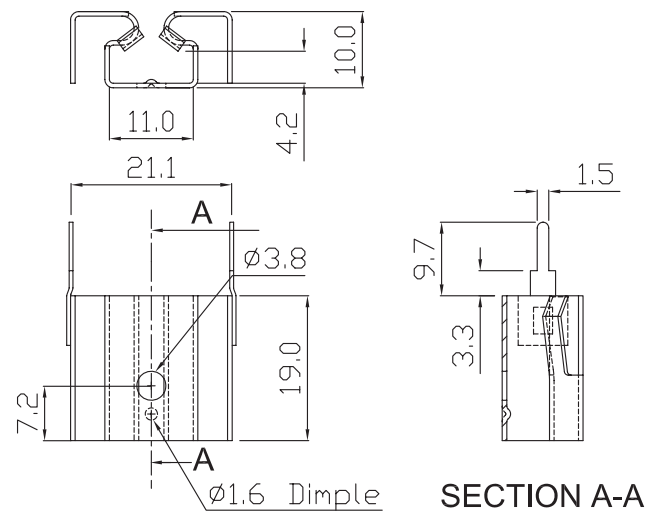
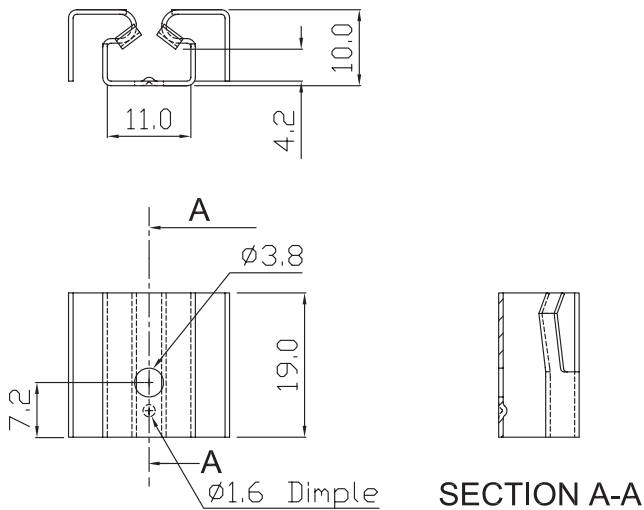
T_{hs}: "hot spot" temperature measured on the heatsink
T_a: ambient temperature



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
1.02	logo, datasheet style update	08/05/2022

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



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