

MODEL: HSS-B20-05 | **DESCRIPTION:** HEAT SINK

FEATURES

- TO-220 package
- available with and without solder pins
- black anodized finish
- aluminum



MODEL

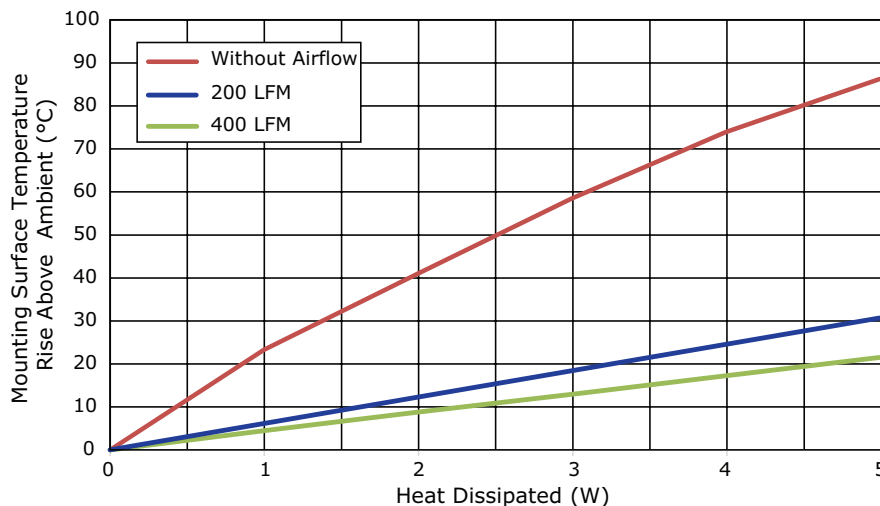
	solder pin		thermal resistance ¹				power dissipation ¹
	orientation	length [mm]	@ 75°C ΔT, nat conv [°C/W]	@ 1 W, nat conv [°C/W]	@ 1 W, 200 LFM [°C/W]	@ 1 W, 400 LFM [°C/W]	@ 75°C ΔT, nat conv [W]
HSS-B20-095H	horizontal	9.5	18.34	23.32	6.50	4.48	4.09
HSS-B20-NP-15	no pin	--	18.34	23.32	6.50	4.48	4.09

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	23.32	6.50	4.48
2	41.07	12.47	8.78
3	58.53	18.87	12.95
4	73.99	25.00	17.27
5	86.32	30.94	21.52

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

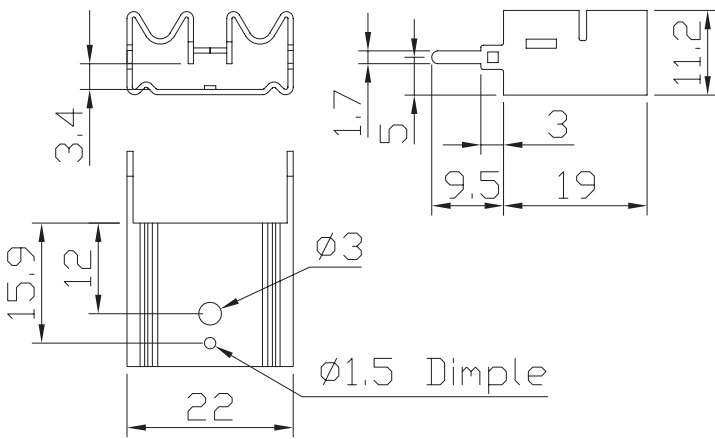


MECHANICAL DRAWING

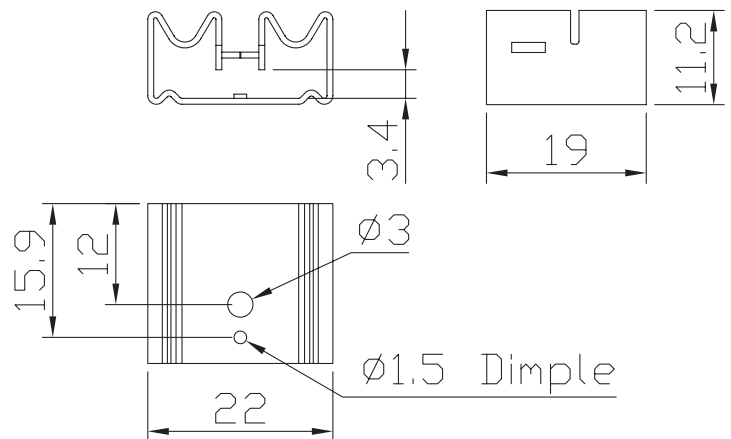
units: mm
tolerance: ±0.5 mm

MATERIAL	AL5052
FINISH	black anodized
THICKNESS	0.8 mm
WEIGHT	HSS-B20-095H: 2.9 g HSS-B20-NP-15: 2.9 g

HSS-B20-095H



HSS-B20-NP-15



REVISION HISTORY

rev.	description	date
1.0	initial release	03/29/2017
1.01	brand update	02/12/2020
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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