



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

**FEATURES**

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



**MODEL**

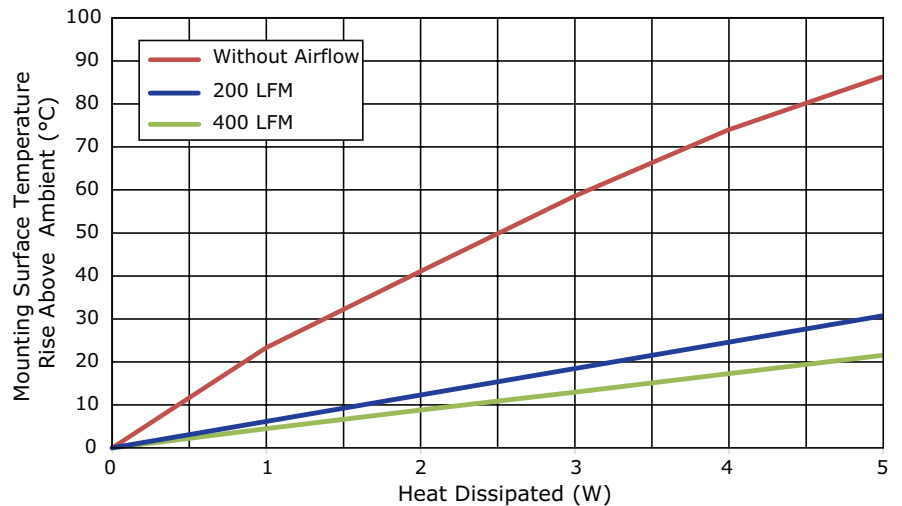
	solder pin		thermal resistance <sup>1</sup>				power dissipation <sup>1</sup>
	orientation	length (mm)	@ 75°C ΔT, nat conv (°C/W)	@ 1 W, nat conv (°C/W)	@ 1 W, 200 LFM (°C/W)	@ 1 W, 400 LFM (°C/W)	@ 75°C ΔT, nat conv (W)
HSS-B20-095H	horizontal	9.5	18.34	23.32	6.50	4.48	4.09
HSS-B20-NP-15	no pin	--	18.34	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 <sub>hs</sub> - T <sub>a</sub> ) (°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<sub>hs</sub>: "hot spot" temperature measured on the heatsink  
T<sub>a</sub>: ambient temperature

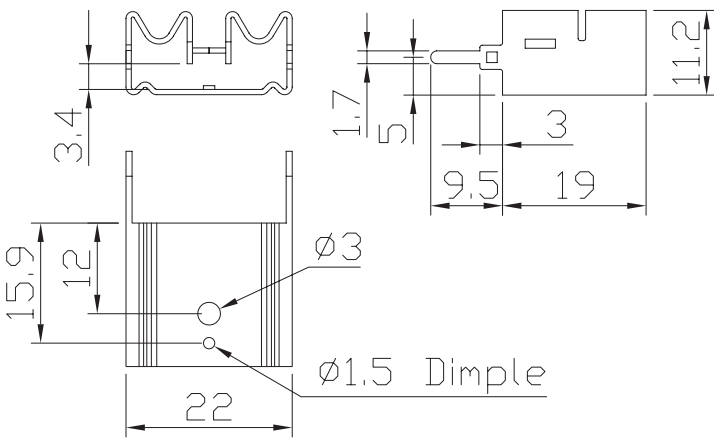


## MECHANICAL DRAWING

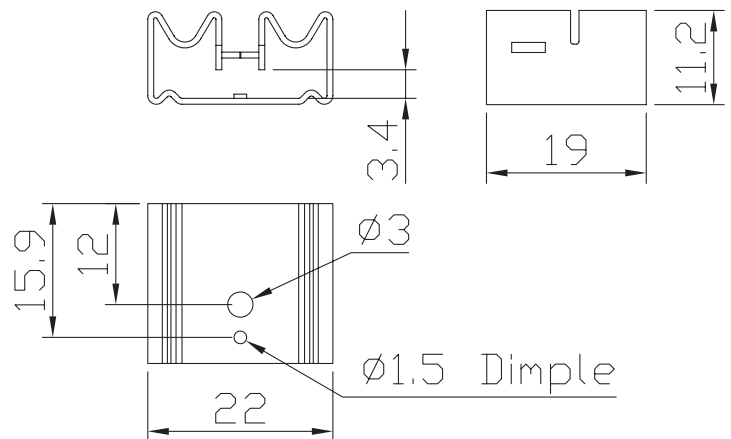
units: mm  
tolerance: ±0.5 mm

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

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<b>rev.</b>	<b>description</b>	<b>date</b>
1.0	initial release	03/29/2017

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



**CUI INC**<sup>®</sup>

**Headquarters**  
20050 SW 112th Ave.  
Tualatin, OR 97062  
**800.275.4899**

Fax 503.612.2383  
**cui.com**  
techsupport@cui.com

CUI offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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