

**MODEL:** HSS-B20-0452H | **DESCRIPTION:** HEAT SINK

**FEATURES**

- TO-220 package
- shur-lock tabs
- black anodized finish
- aluminum



**MODEL**

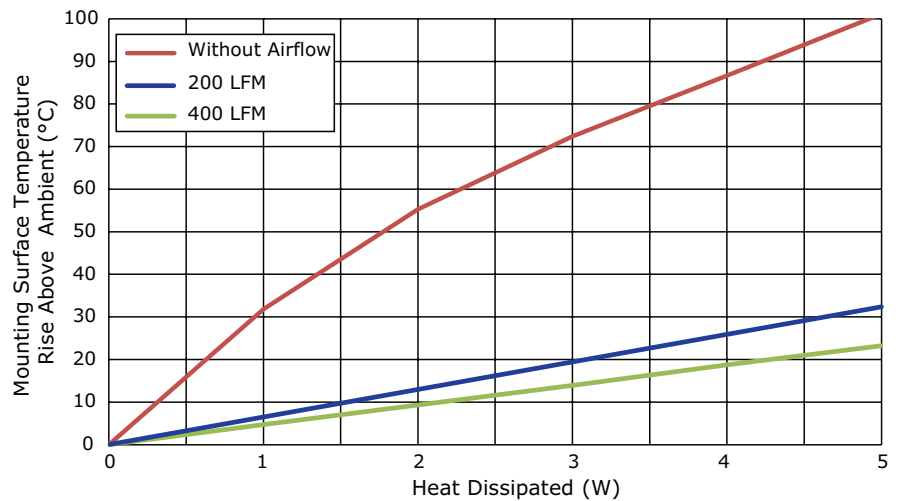
	thermal resistance <sup>1</sup>				power dissipation <sup>1</sup> @ 75°C ΔT, nat conv (W)
	@ 75°C ΔT, nat conv (°C/W)	@ 1 W, nat conv (°C/W)	@ 1 W, 200 LFM (°C/W)	@ 1 W, 400 LFM (°C/W)	
HSS-B20-0452H	23.81	31.83	6.40	4.74	3.15

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	31.83	6.40	4.74
2	55.26	12.91	9.31
3	72.42	19.27	13.93
4	86.68	25.77	18.75
5	101.18	32.39	23.22

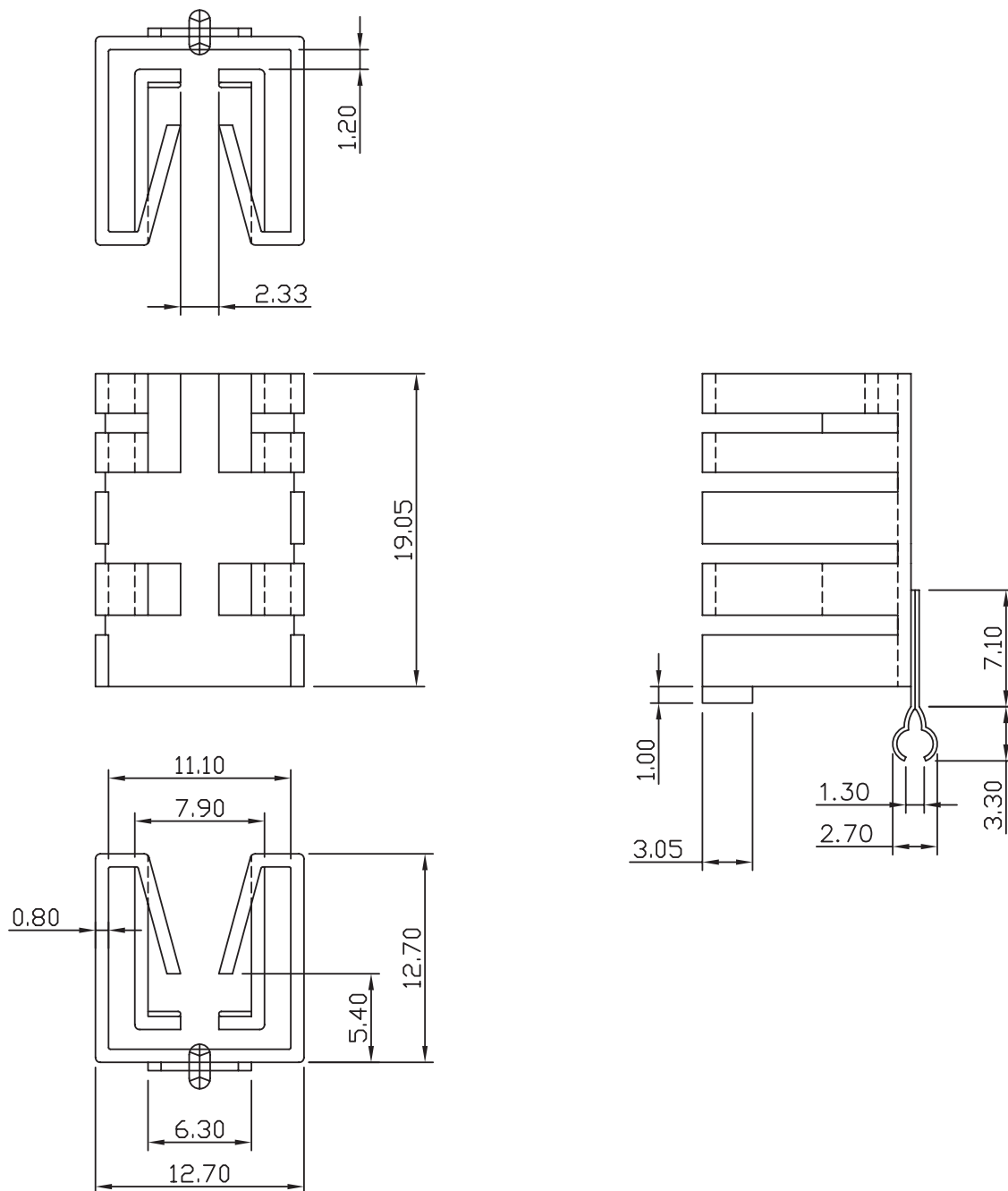
T<sub>hs</sub>: "hot spot" temperature measured on the heatsink  
T<sub>a</sub>: ambient temperature



## MECHANICAL DRAWING

units: mm  
tolerance: ±0.5 mm

MATERIAL	AL5052
FINISH	black anodized
THICKNESS	0.8 mm
PIN MATERIAL	phosphor copper
PIN PLATING	tin
WEIGHT	2.0 g



## REVISION HISTORY

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rev.	description	date
1.0	initial release	03/30/2017

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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