# **CUI** DEVICES

Additional Resources: Product Page

date 02/12/2020

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

#### **FEATURES**

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





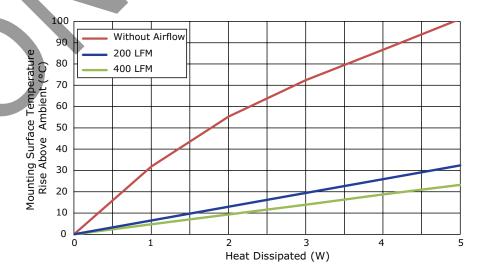
MODEL	thermal resistance <sup>1</sup>				power dissipation <sup>1</sup>
	@ 75°C Δ <b>T</b> , nat conv (°C/W)	@ 1 W, nat conv (°C/W)	@ 1 W, 200 LFM (°C/W)	@ 1 W, 400 LFM (°C/W)	<pre>@ 75°C ΔT, nat conv (W)</pre>
HSS-B20-0452H	23.81	31.83	6.40	4.74	3.15

1. See performance curves for full thermal resistance details.

### **PERFORMANCE CURVES**

	Heatsink Temperature Rise Above Ambient ( $\Delta T = Ths - Ta$ ) (°C)			
Power (W)	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	

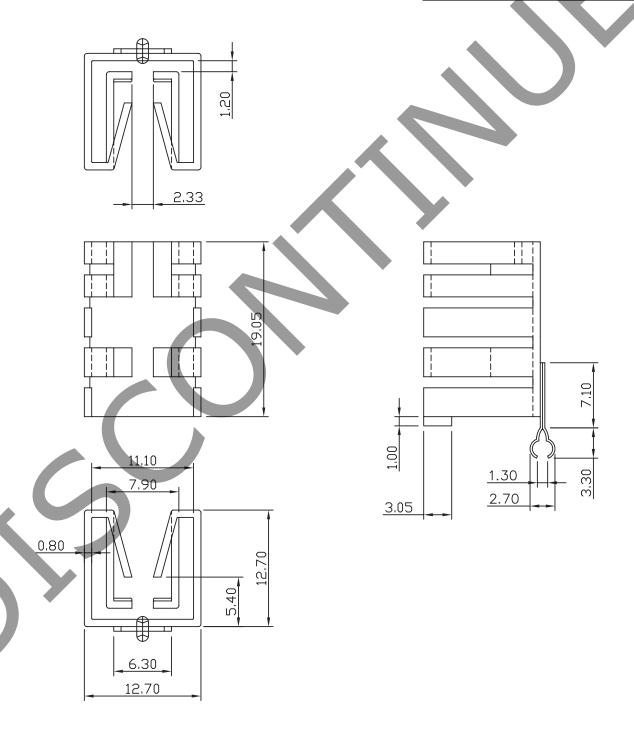
Ths: "hot spot" temperature measured on the heatsink Ta: ambient temperature



## **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



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#### **REVISION HISTORY**

rev.	description	date
1.0	initial release	03/30/2017
1.01	brand update	02/12/2020

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



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

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