

## MODEL: HSE12-B20-NP | DESCRIPTION: HEAT SINK

### FEATURES

- TO-220 or TO-218 package
- bolt on attachment
- aluminum alloy



### MODEL

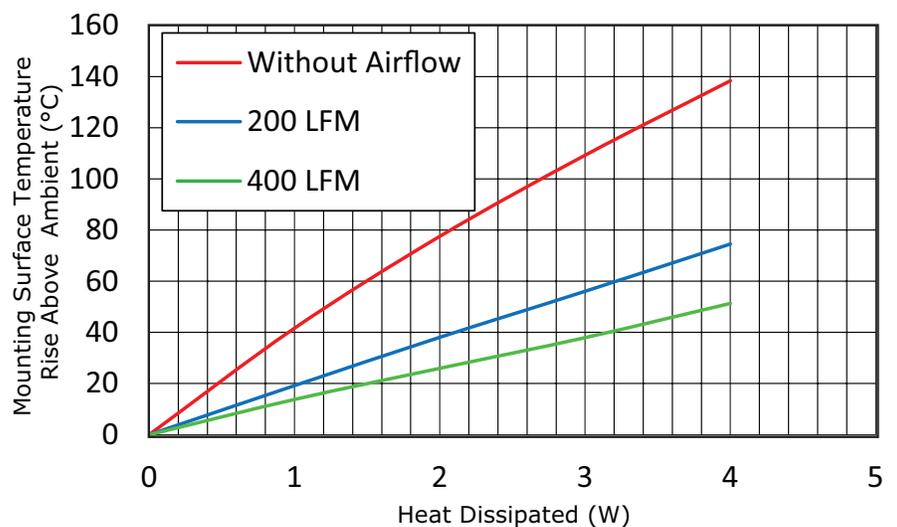
	thermal resistance <sup>1</sup>				power dissipation <sup>1</sup> @ 75°C ΔT, nat conv (W)
	@ 75°C ΔT, nat conv (°C/W)	@ 1 W, nat conv (°C/W)	@ 1 W, 200 LFM (°C/W)	@ 1 W, 400 LFM (°C/W)	
HSE12-B20-NP	38.75	41.6	19.2	13.8	1.94

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	41.6	19.2	13.8
2	77.5	38.1	26.0
3	109.2	56.1	38.0
4	138.3	74.6	51.4

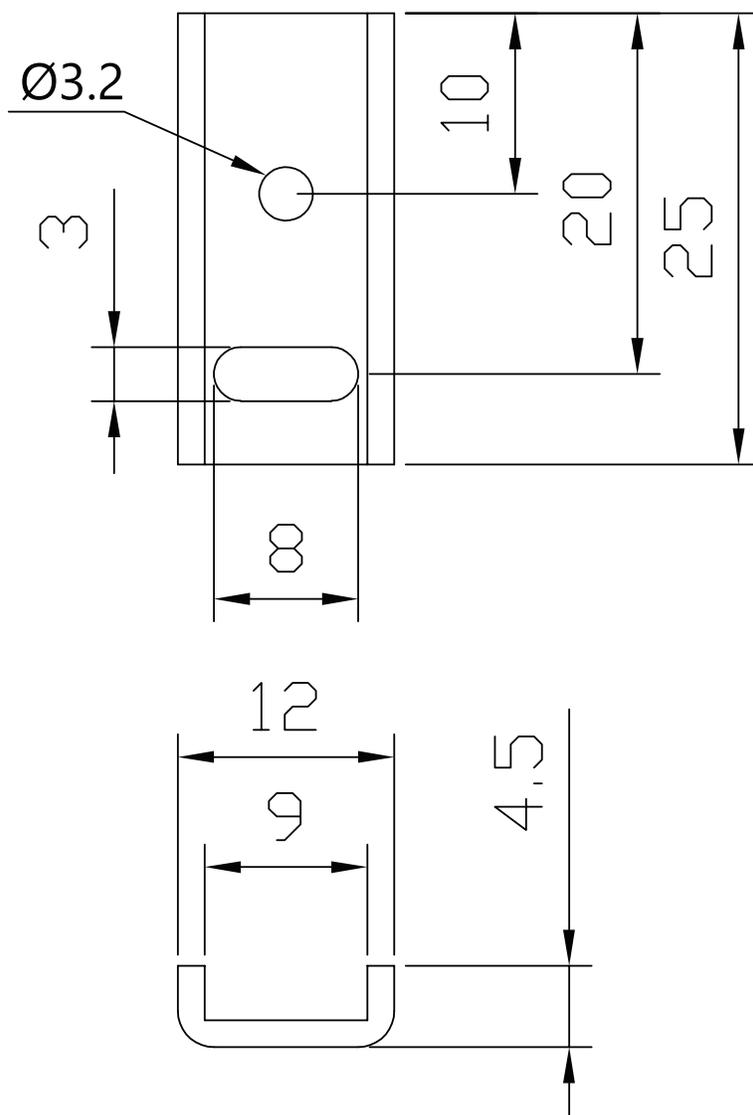
T<sub>hs</sub>: "hot spot" temperature measured on the heatsink  
T<sub>a</sub>: ambient temperature



## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.5$  mm

MATERIAL	AL 1050
FINISH	black anodized
THICKNESS	1.5 mm
WEIGHT	2.1 g



## REVISION HISTORY

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rev.	description	date
1.0	initial release	04/20/2022

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

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# CUI DEVICES

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