



**MODEL:** HSS10-B20-P40 | **DESCRIPTION:** HEAT SINK

**FEATURES**

- TO-220 package
- solder pin
- aluminum alloy
- black anodized finish



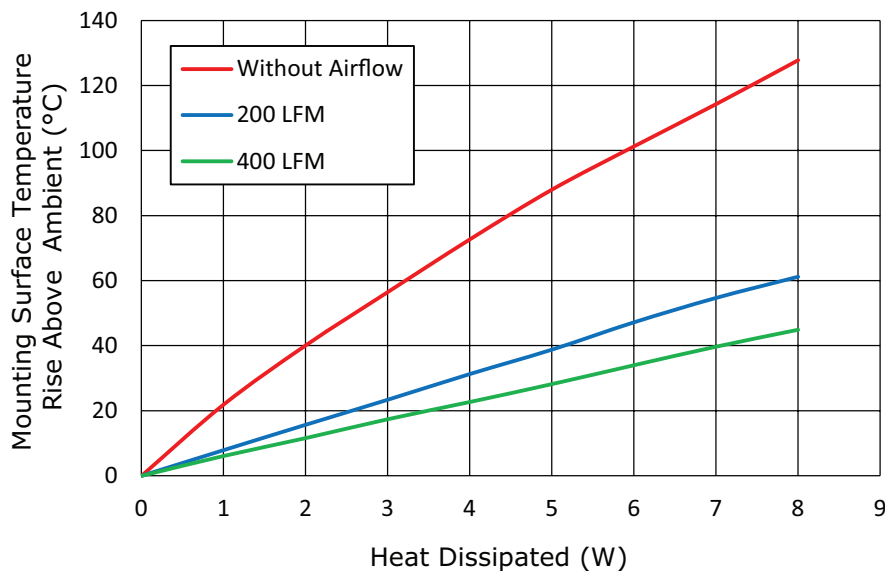
**MODEL**

HSS10-B20-P40	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]	
	18.12	21.9	7.9	6.1	4.14

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	21.9	7.9	6.1
2	40.1	15.7	11.6
3	56.5	23.4	17.4
4	72.7	31.3	22.7
5	88.0	38.8	28.2
6	101.3	47.2	34.0
7	114.3	54.7	39.7
8	127.3	61.2	44.9



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

## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.25$  mm

MATERIAL	AL 1050
FINISH	black anodized
THICKNESS	1.2 mm
PIN MATERIAL	brass
PIN PLATING	2-3 $\mu$ m tin
WEIGHT	5.0 g

