

**MODEL:** HSS11-B20-P38 | **DESCRIPTION:** HEAT SINK**FEATURES**

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

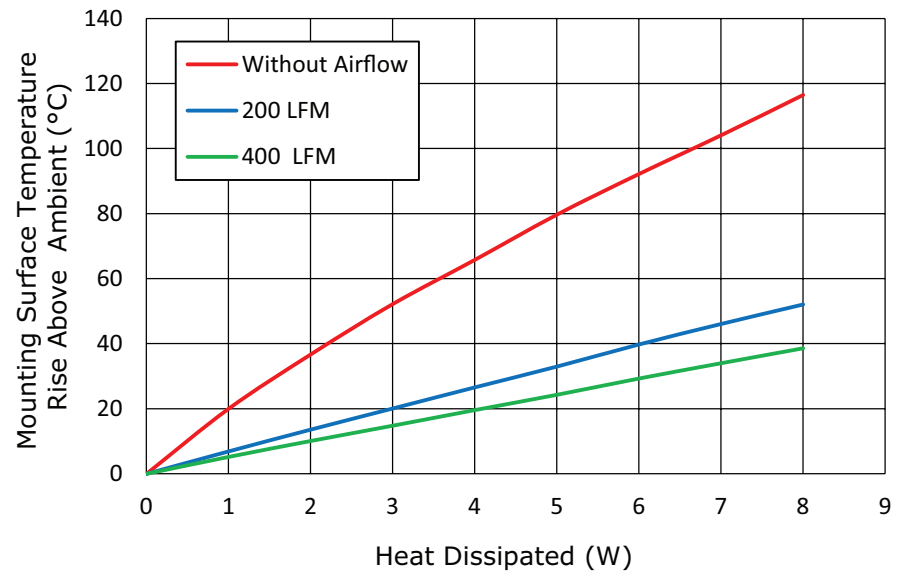
**MODEL**

MODEL	thermal resistance <sup>1</sup>				power dissipation <sup>1</sup>
	@ 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)
HSS11-B20-P38	15.76	20.0	6.9	5.2	4.76

Note: 1. See performance curves for full thermal resistance details.

**PERFORMANCE CURVES**

Power (W)	Heatsink Temperature Rise Above Ambient ( $\Delta T = T_{hs} - T_a$ ) (°C)		
	Natural Conv.	200 LFM	400 LFM
0	0	0	0
1	20.0	6.9	5.2
2	36.7	13.6	10.1
3	52.2	20.1	14.8
4	65.8	26.6	19.6
5	79.7	33.0	24.3
6	92.2	39.8	29.3
7	104.1	46.1	34.0
8	116.5	52.1	38.6

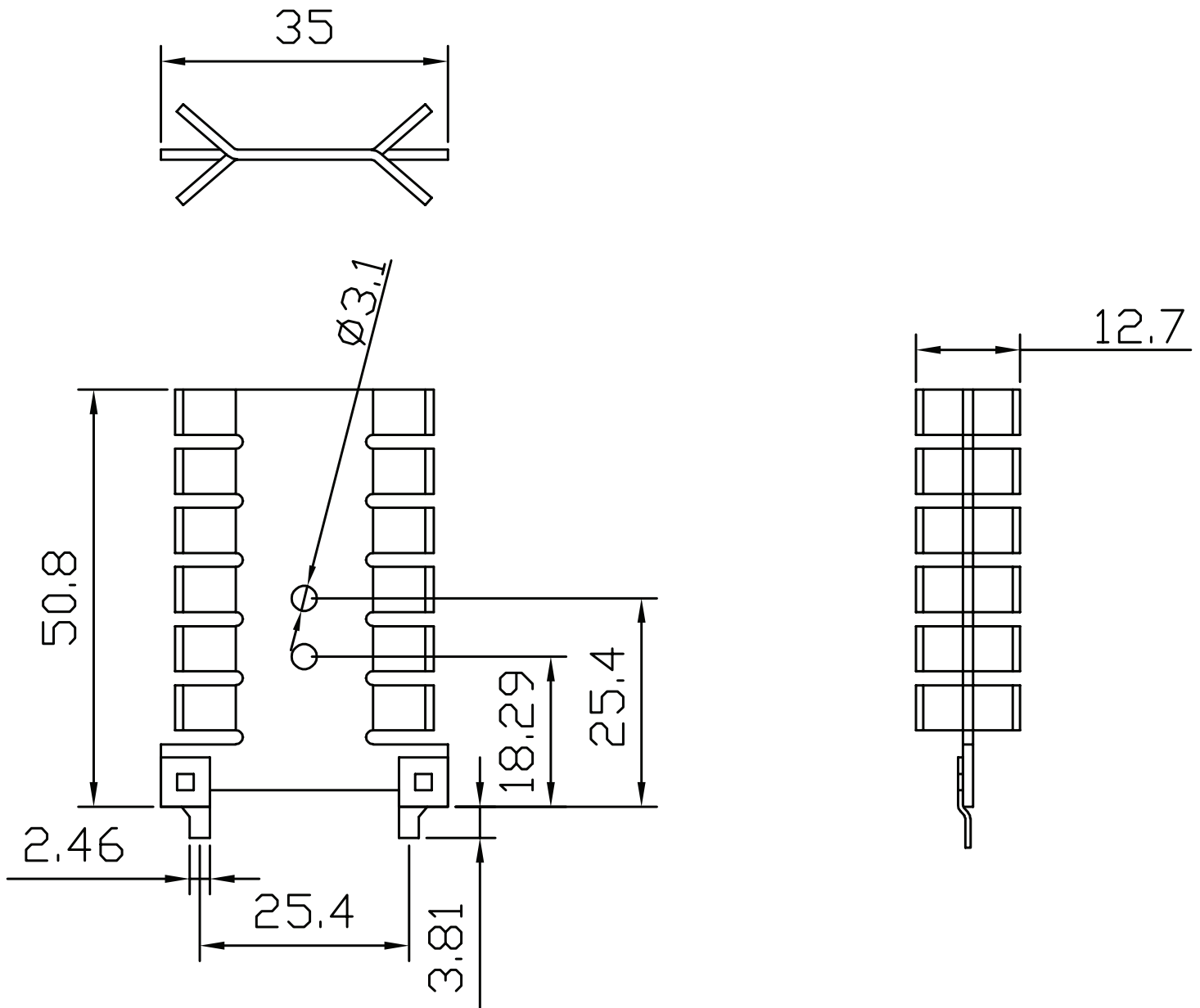


$T_{hs}$ : "hot spot" temperature measured on the heatsink  
 $T_a$ : ambient temperature

## MECHANICAL DRAWING

units: mm  
tolerance: ±0.38 mm

MATERIAL	AL 1050
FINISH	black anodized
THICKNESS	1.2 mm
PIN MATERIAL	brass
PIN PLATING	2~3 μm tin
WEIGHT	5.3 g



## REVISION HISTORY

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rev.	description	date
1.0	initial release	06/25/2021

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

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