

**SERIES:** HSS-B20-0635 | **DESCRIPTION:** HEAT SINK

**FEATURES**

- TO-220 package
- solder pin for secure PCB mounting
- round hole for component attachment
- black anodized finish



**MODEL**

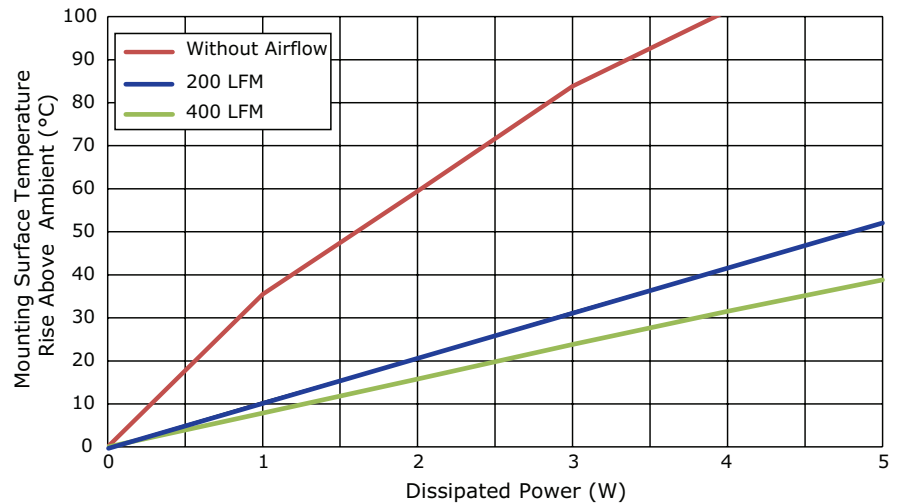
	fin height (mm)	thermal resistance <sup>1</sup>			power dissipation <sup>1</sup> @ 75°C ΔT, nat conv (W)	
		@ 75°C ΔT, nat conv (°C/W)	@ 1 W, nat conv (°C/W)	@ 1 W, 200 LFM (°C/W)		@ 1 W, 400 LFM (°C/W)
HSS-B20-0635H	6.35	28.85	35.46	10.68	7.88	2.60
HSS-B20-0635H-01	9.53	27.78	33.93	9.51	6.84	2.70
HSS-B20-0635H-02	12.70	29.09	33.89	10.49	6.81	2.58

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

**PERFORMANCE CURVES**

**HSS-B20-0635H**

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	35.46	10.68	7.88
2	59.42	20.81	15.77
3	83.82	31.59	23.83
4	101.40	41.80	31.52
5	122.52	52.02	38.83



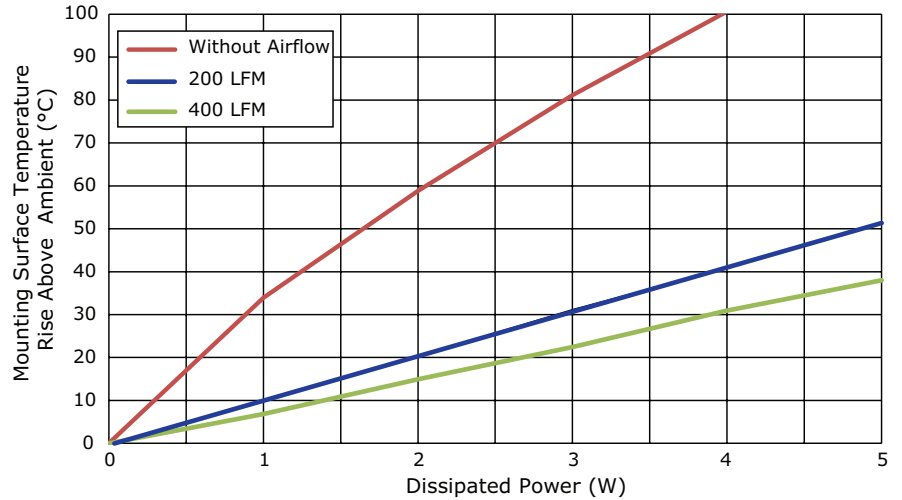
T<sub>hs</sub>: "hot spot" temperature measured on the heatsink  
T<sub>a</sub>: ambient temperature

## PERFORMANCE CURVES (CONTINUED)

### HSS-B20-0635H-01

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	33.93	9.51	6.84
2	58.86	20.45	14.91
3	81.12	31.36	22.45
4	100.66	40.98	30.96
5	121.15	51.38	38.04

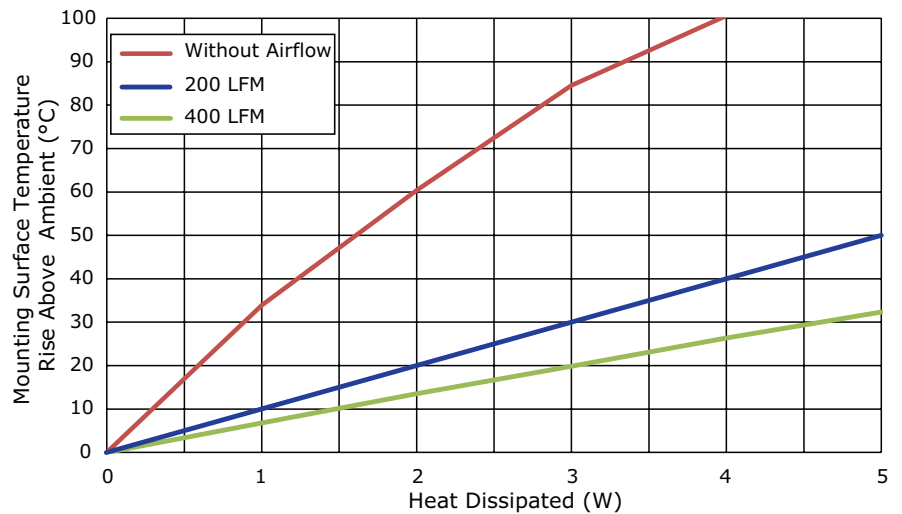
$T_{hs}$ : "hot spot" temperature measured on the heatsink  
 $T_a$ : ambient temperature



### HSS-B20-0635H-02

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	33.89	10.49	6.81
2	60.40	20.20	13.50
3	84.56	30.26	19.87
4	100.59	40.17	26.37
5	112.14	49.67	32.37

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

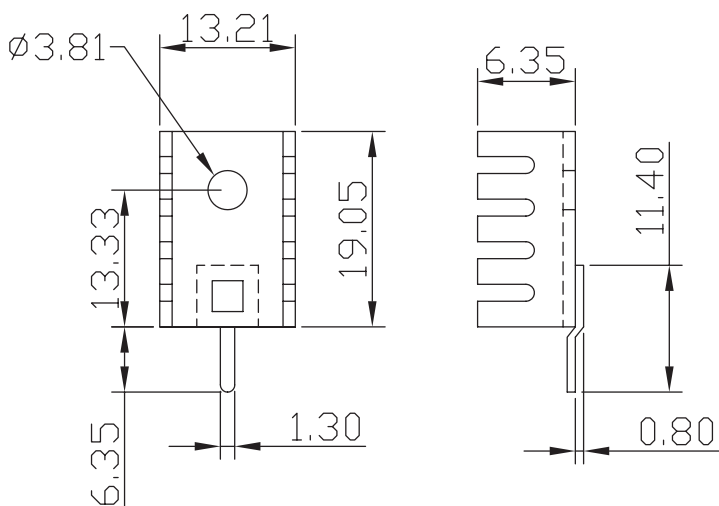


## MECHANICAL DRAWING

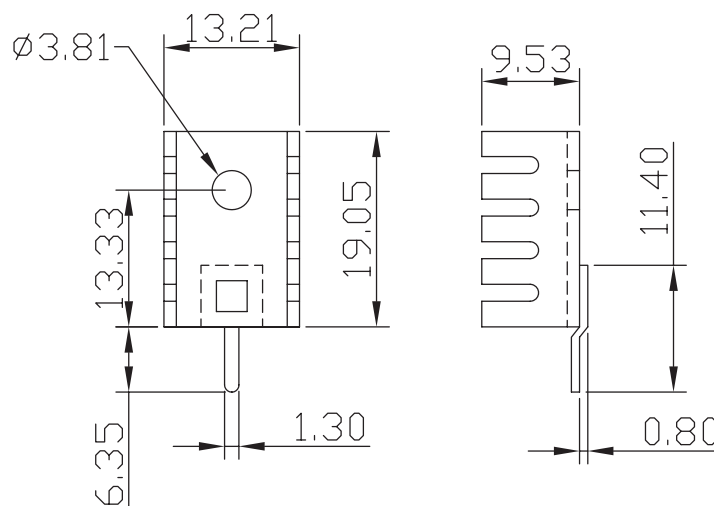
units: mm  
tolerance: ±0.5 mm

MATERIAL	AL1050
FINISH	black anodized
THICKNESS	1.2 mm
PIN MATERIAL	brass
PIN PLATING	tin
WEIGHT	HSS-B20-0635H: 1.5 g HSS-B20-0635H-01: 1.7 g HSS-B20-0635H-02: 2.0 g

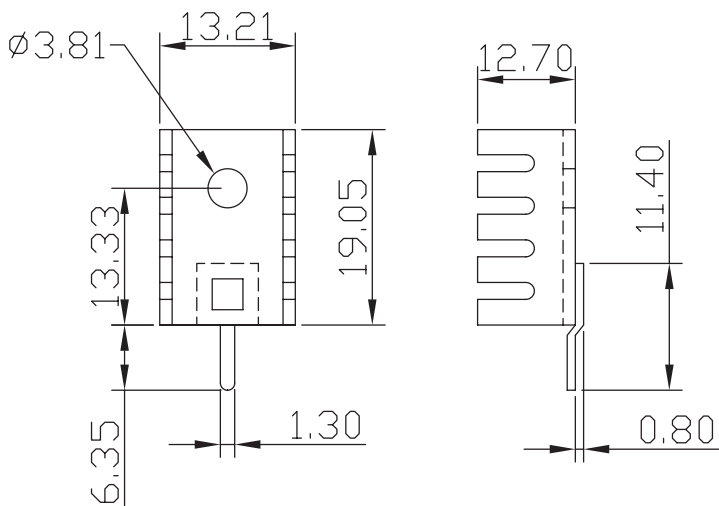
**HSS-B20-0635H**



**HSS-B20-0635H-01**



**HSS-B20-0635H-02**



## REVISION HISTORY

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rev.	description	date
1.0	initial release	03/29/2017

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



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