

date 08/05/2022

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## SERIES: HSE04 | DESCRIPTION: HEAT SINK

#### **FEATURES**

- TO-220 or TO-218 package
- low profile
- aluminum alloy





MODEL	thermal resistance <sup>1</sup>				power dissipation <sup>1</sup>	
	threaded hole	@ 75°C ∆T, nat conv (°C/W)	<b>@ 1 W,</b> nat conv (°C/W)	<b>@ 1 W,</b> <b>200 LFM</b> (°C/W)	<b>@ 1 W,</b> <b>400 LFM</b> (°C/W)	<b>@ 75°C ∆T, nat</b> conv (W)
HSE04-251265-1	M2.5x0.45	31.22	35.3	16.3	10.8	2.40
HSE04-251265-2	M3x0.5	30.38	34.4	16.6	10.9	2.47

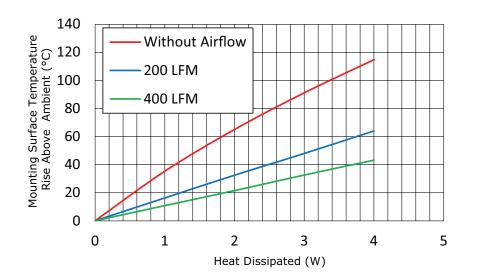
lote: 1. See performance curves for full thermal resistance details.

### **PERFORMANCE CURVES**

### HSE04-251265-1

	Heatsink Temperature Rise Above Ambient (ΔT = Ths - Ta) (°C)			
Power (W)	Natural Conv.	200 LFM	400 LFM	
0	0	0	0	
1	35.3	16.3	10.8	
2	65.0	32.5	21.5	
3	91.1	48.0	32.6	
4	114.7	64.1	43.2	

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

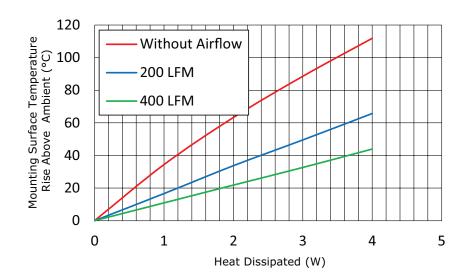


# PERFORMANCE CURVES (CONTINUED)

### HSE04-251265-2

	Heatsink Temperature Rise Above Ambient (ΔT = Ths - Ta) (°C)			
Power (W)	Natural Conv.	200 LFM	400 LFM	
0	0	0	0	
1	34.4	16.6	10.9	
2	63.3	33.7	21.8	
3	88.6	49.5	32.6	
4	111.9	65.7	43.9	

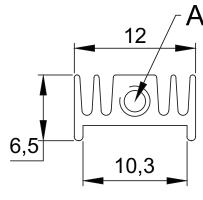
Ths: "hot spot" temperature measured on the heatsink Ta: ambient temperature

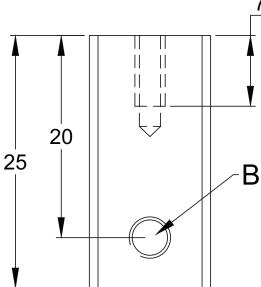


### **MECHANICAL DRAWING**

units: mm

tolerance: ±0.5 mm





MATERIAL	AL 6063-T5
FINISH	black anodized
WEIGHT	3.0 g

Mndel	Dimensions (mm)			
Model	А	В		
HSE04-251265-1	M2.5x0.45	M3x0.5		
HSE04-251265-2	M3x0.5	M3x0.5		

### **REVISION HISTORY**

rev.	description	date
1.0	initial release	04/22/2022
1.01	logo, datasheet style update	08/05/2022

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



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