



MODEL: HSE13-254225P | **DESCRIPTION:** HEAT SINK

FEATURES

- TO-220 package
- bolt on attachment
- pins for secure PCB attachment
- aluminum alloy



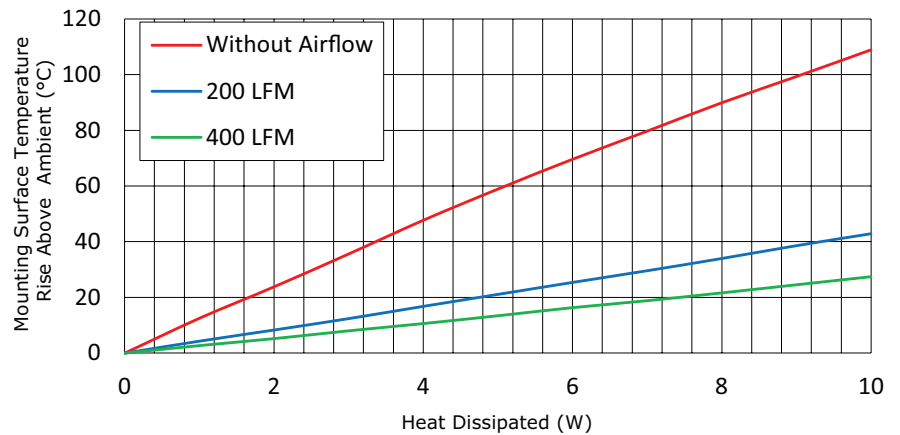
MODEL

	thermal resistance ¹				power dissipation ¹ @ 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]	
HSE13-254225P	11.47	12.5	4.3	2.7	6.54

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

PERFORMANCE CURVES

Power (W)	Heatsink Temperature Rise Above Ambient (ΔT = Ths - Ta) [°C]		
	Natural Conv.	200 LFM	400 LFM
0	0	0	0
1	12.5	4.3	2.7
2	23.8	8.3	5.2
3	35.6	12.4	8.0
4	47.7	16.8	10.6
5	58.9	21.1	13.4
6	69.6	25.4	16.3
7	79.7	29.6	18.8
8	89.9	34.0	21.6
9	99.3	38.6	24.5
10	108.9	42.9	27.4

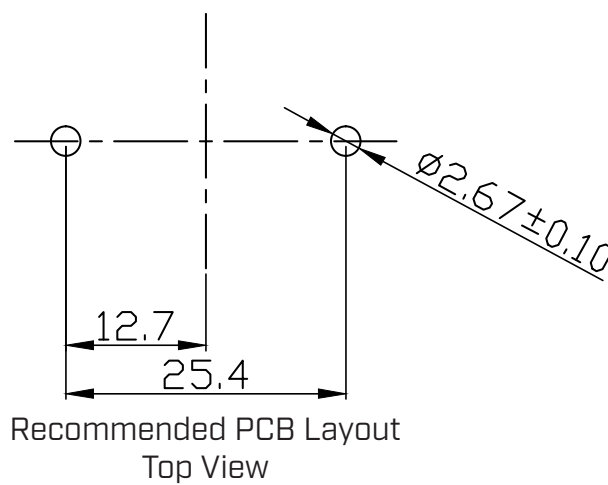
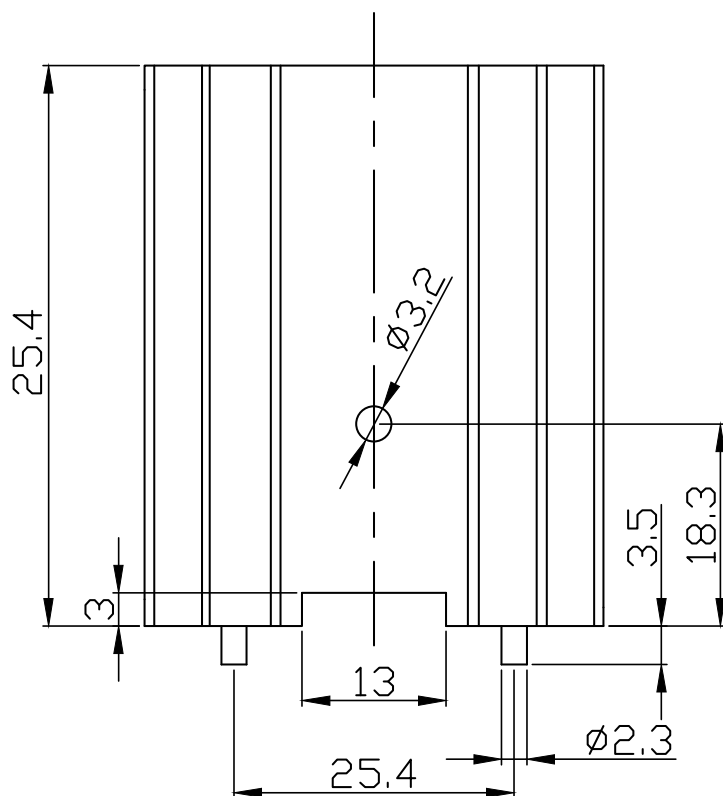
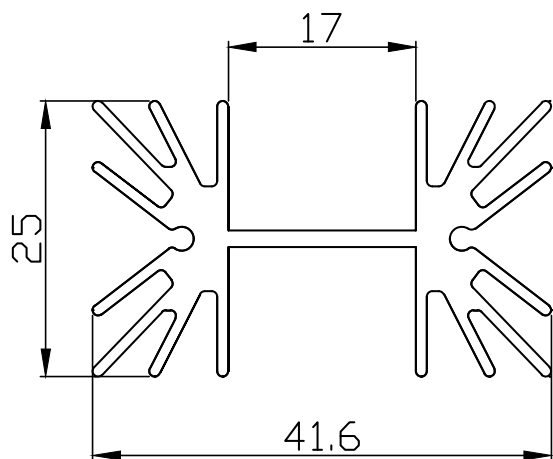


Ths: "hot spot" temperature measured on the heatsink
Ta: ambient temperature

MECHANICAL DRAWING

units: mm
tolerance: ±0.50 mm

MATERIAL	AL 6063-T5
FINISH	black anodized
PIN MATERIAL	steel
PIN PLATING	2-3 μm tin
WEIGHT	19.3 g



REVISION HISTORY

rev.	description	date
1.0	initial release	03/03/2025
1.01	added recommended PCB layout	11/17/2025

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



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