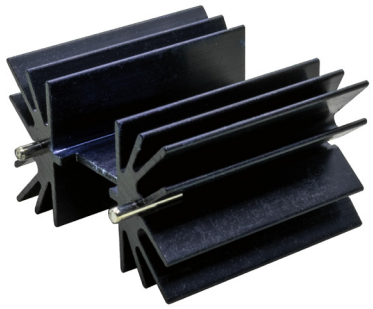
MODEL: HSE14-384225P | DESCRIPTION: HEAT SINK

FEATURES

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



RoHS

MODEL

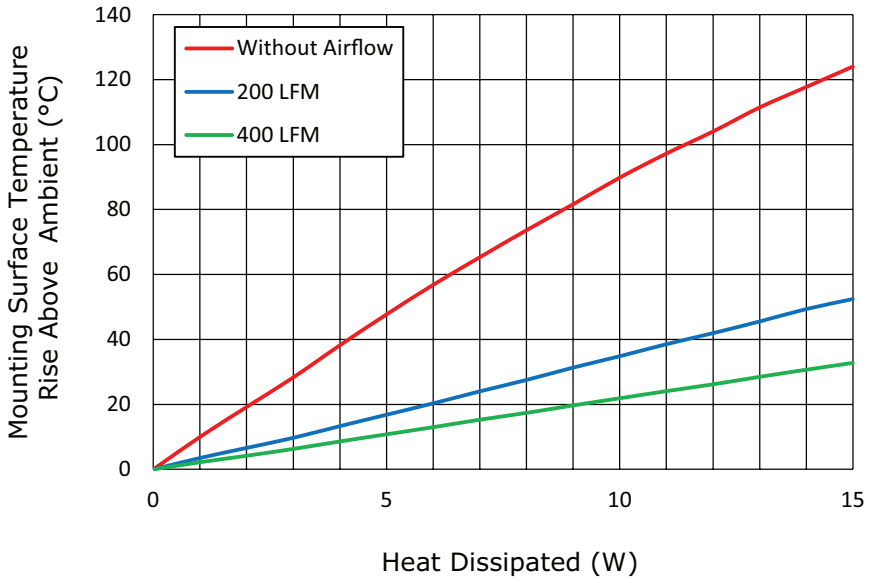
MODEL	thermal resistance[1] @ 75°C ΔT, nat conv (°C/W)	@ 1 W, nat conv (°C/W)	@ 1 W, 200 LFM (°C/W)	@ 1 W, 400 LFM (°C/W)	power dissipation[1] @ 75°C ΔT, nat conv (W)
HSE14-384225P	9.18	10.0	3.5	2.2	8.17

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	10.0	3.5	2.2
2	19.2	6.6	4.2
3	28.3	9.7	6.3
4	38.2	13.3	8.6
5	47.7	16.8	10.8
6	56.8	20.3	13.0
7	65.3	24.0	15.3
8	73.6	27.5	17.4
9	81.6	31.3	19.7
10	89.8	34.8	21.9
11	97.2	38.5	24.1
12	104.0	41.9	26.2
13	111.4	45.5	28.5
14	117.7	49.3	30.7
15	124.0	52.4	32.8

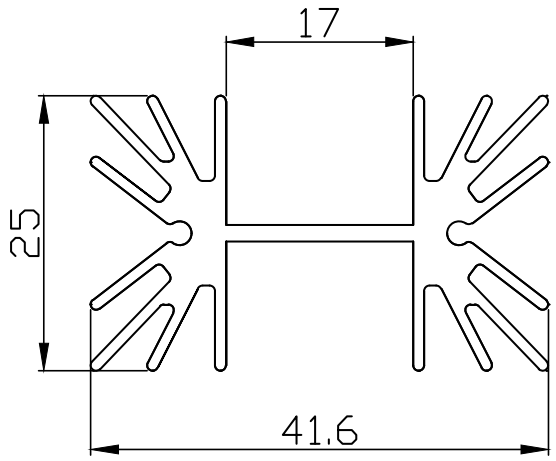
Ths: "hot spot" temperature measured on the heatsink
Ta: ambient temperature

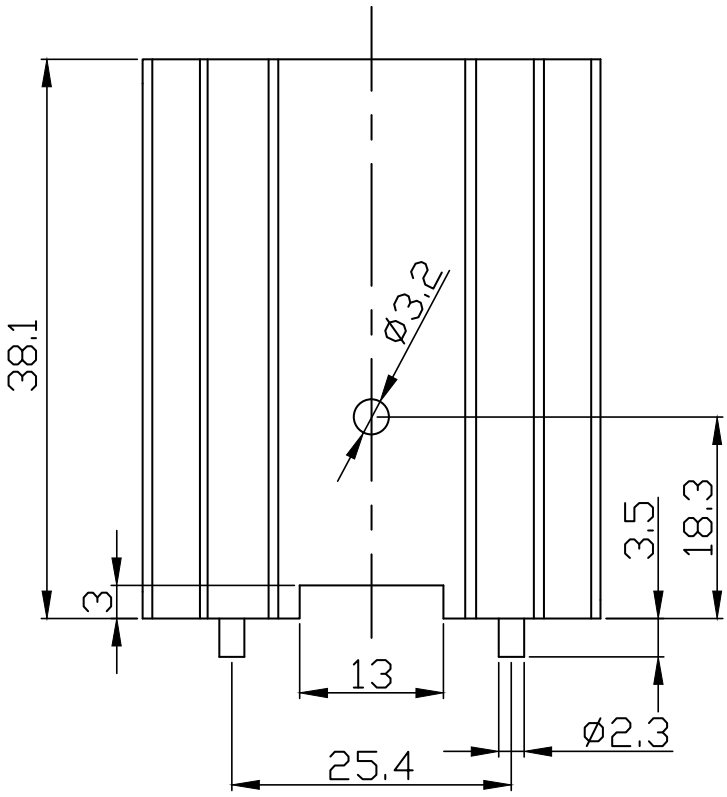


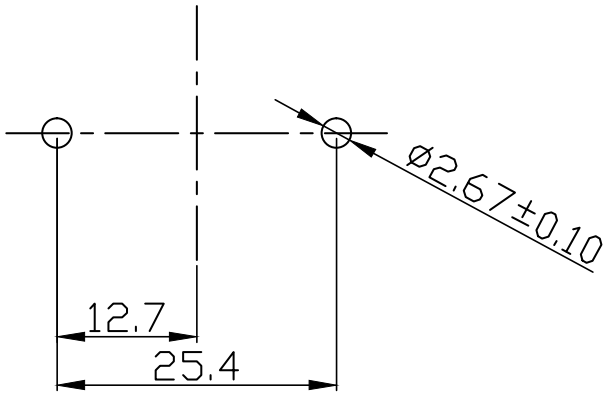
MECHANICAL DRAWING

units: mm
tolerance: ±0.50 mm

MATERIAL	AL 6063-T5
FINISH	black anodized
PIN MATERIAL	steel
PIN PLATING	2~3 µm tin
WEIGHT	28.3 g







Recommended PCB Layout
Top View

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.