same sky

Additional Resources: Product Page

MODEL: HSE15-644225P | DESCRIPTION: HEAT SINK

FEATURES

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

RoHS

MODEL

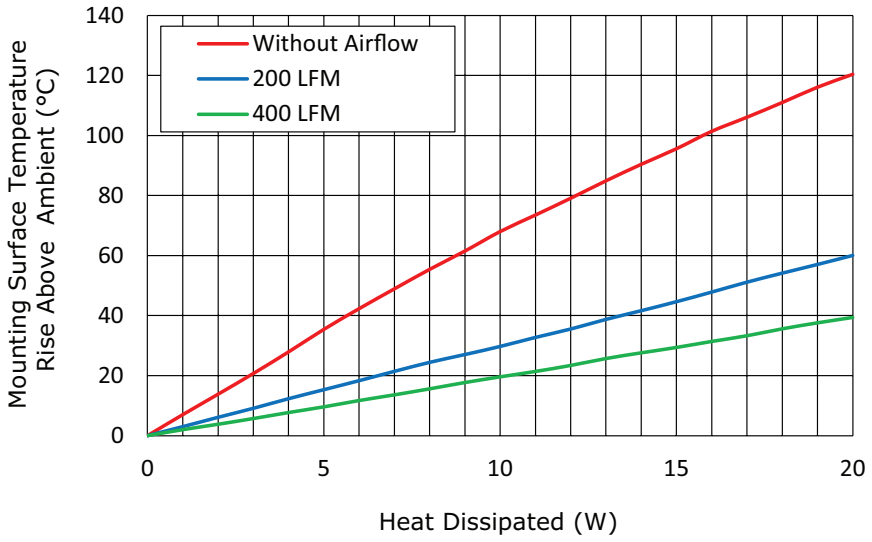
MODEL	thermal resistance[1] @ 75°C ΔT, nat conv (°C/W)	@ 1 W, nat conv (°C/W)	@ 1 W, 200 LFM (°C/W)	@ 1 W, 400 LFM (°C/W)	power dissipation[1] @ 75°C ΔT, nat conv (W)
HSE15-644225P	6.64	7.0	3.0	2.0	11.29

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	7.0	3.0	2.0
2	13.8	6.1	3.8
3	20.7	9.1	5.7
4	27.9	12.3	7.7
5	35.4	15.3	9.6
6	42.3	18.3	11.7
7	48.9	21.4	13.6
8	55.4	24.4	15.6
9	61.5	27.0	17.7
10	68.0	29.7	19.6
11	73.5	32.7	21.4
12	79.1	35.5	23.4
13	84.9	38.7	25.7
14	90.4	41.6	27.6
15	95.6	44.6	29.4
16	101.4	47.8	31.4
17	106.1	51.1	33.3
18	111.0	54.1	35.6
19	116.1	57.0	37.6
20	120.4	60.0	39.4

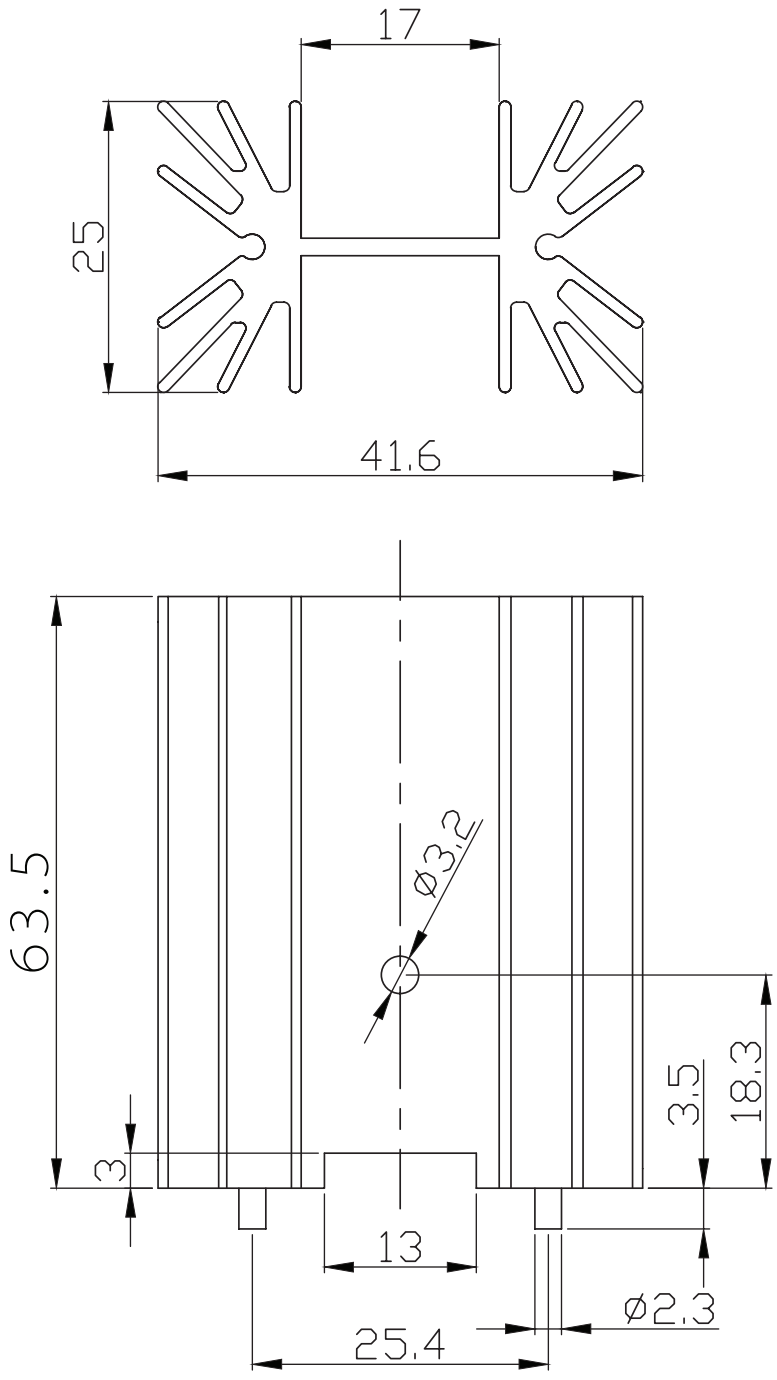
Ths: "hot spot" temperature measured on the heatsink
Ta: ambient temperature



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	50.0 g



REVISION HISTORY

rev.	description	date
1.0	initial release	03/03/2025

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