

SERIES: HSE02 | DESCRIPTION: HEAT SINK**FEATURES**

- extruded design
- thermal pad option
- aluminum alloy

**MODEL**

	thermal pad	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)	
HSE02-173213	no	21.44	26.1	6.7	4.2	3.50
HSE02-173213P	yes	21.44	26.1	6.7	4.2	3.50

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

THERMAL PAD SPECIFICATIONS

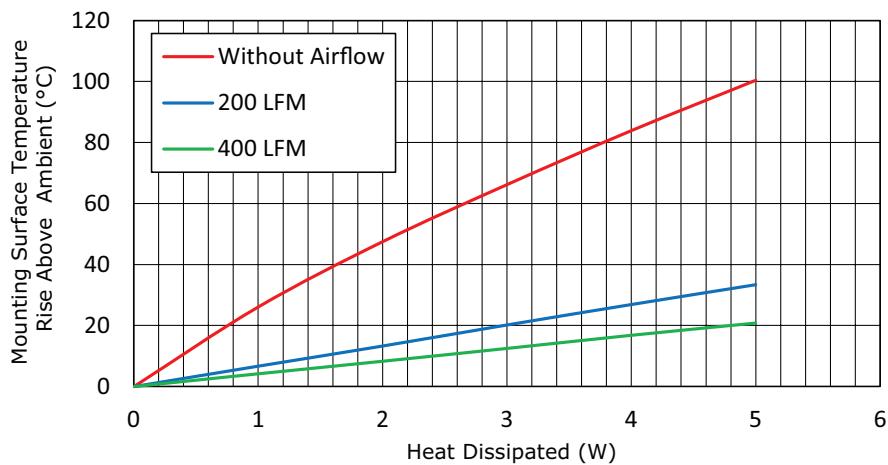
parameter	test method/conditions/description	min	typ	max	units
material	double sided silicone adhesive				
color	white				
thickness		0.2			mm
specific gravity		1.9			
dielectric breakdown voltage	at 100 μm	300			kV
thermal conductivity		0.7			W/m*K
thermal resistance	at 100 μm, 20 psi	1.82			cm ² *K/W

PERFORMANCE CURVES

	Heatsink Temperature Rise Above Ambient (ΔT = Ths - Ta) (°C)		
Power (W)	Natural Conv.	200 LFM	400 LFM
0	0	0	0
1	26.1	6.7	4.2
2	47.5	13.3	8.3
3	66.2	20.2	12.5
4	83.9	26.9	16.8
5	100.4	33.4	20.8

Ths: "hot spot" temperature measured on the heatsink

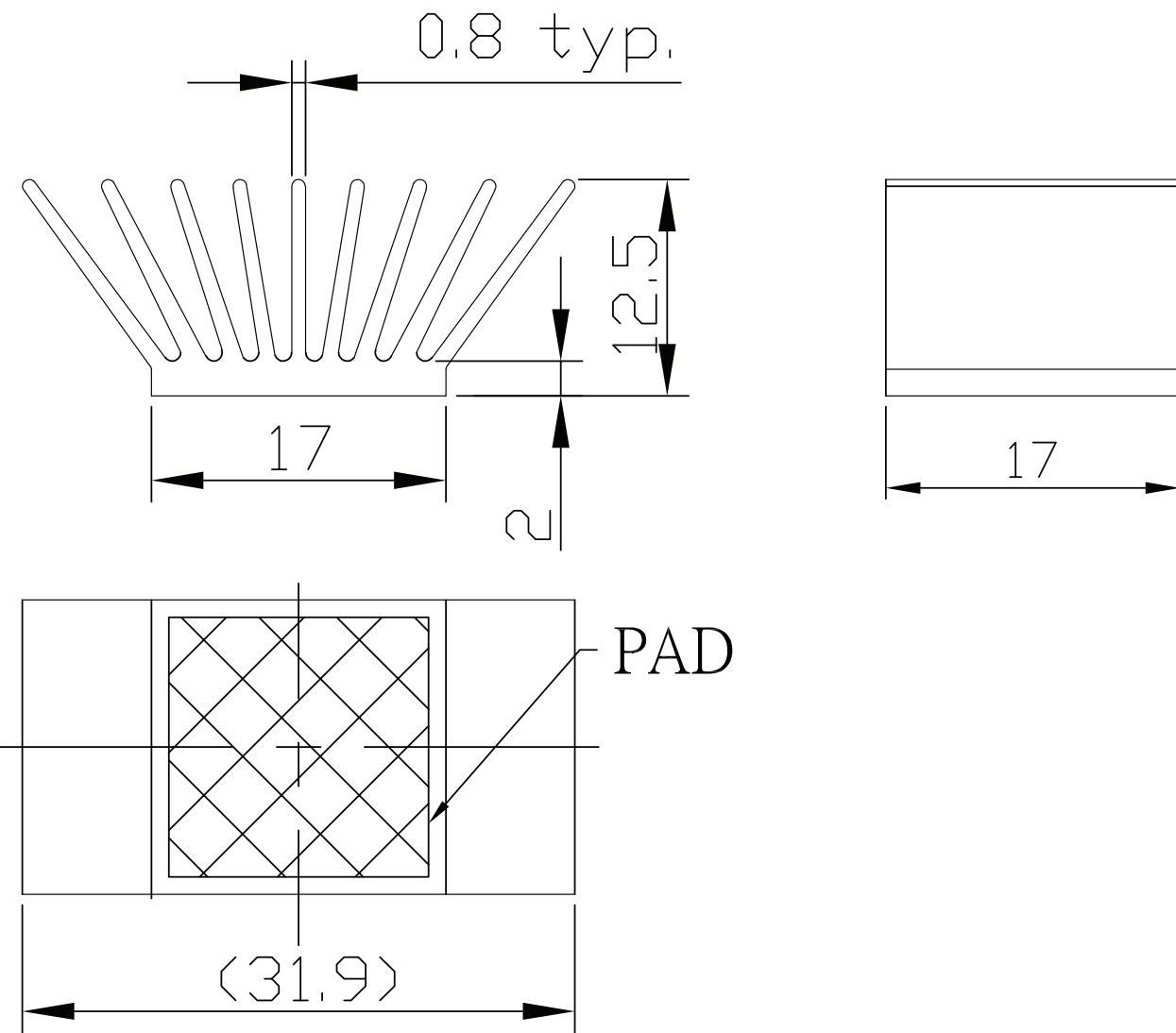
Ta: ambient temperature



MECHANICAL DRAWING

units: mm
tolerance: ± 0.5 mm

MATERIAL	AL 6063-T5
FINISH	blue anodized
WEIGHT	6.9 g



REVISION HISTORY

rev.	description	date
1.0	initial release	04/20/2022

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

CUI DEVICES

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