

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

- extruded design
- thermal pad option
- aluminum alloy

**MODEL**

	thermal pad	@ 75°C ΔT , nat conv [°C/W]	thermal resistance ¹			power dissipation ¹ @ 75°C ΔT , nat conv [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

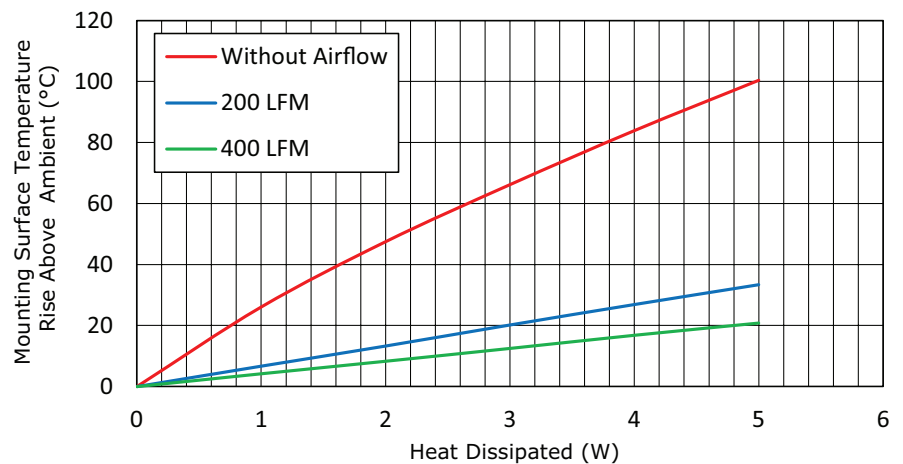
Note: 1. See performance curves for full thermal resistance details.

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 ² K
thermal resistance	at 100 μm , 20 psi		1.82		cm ² *K/W

PERFORMANCE CURVES

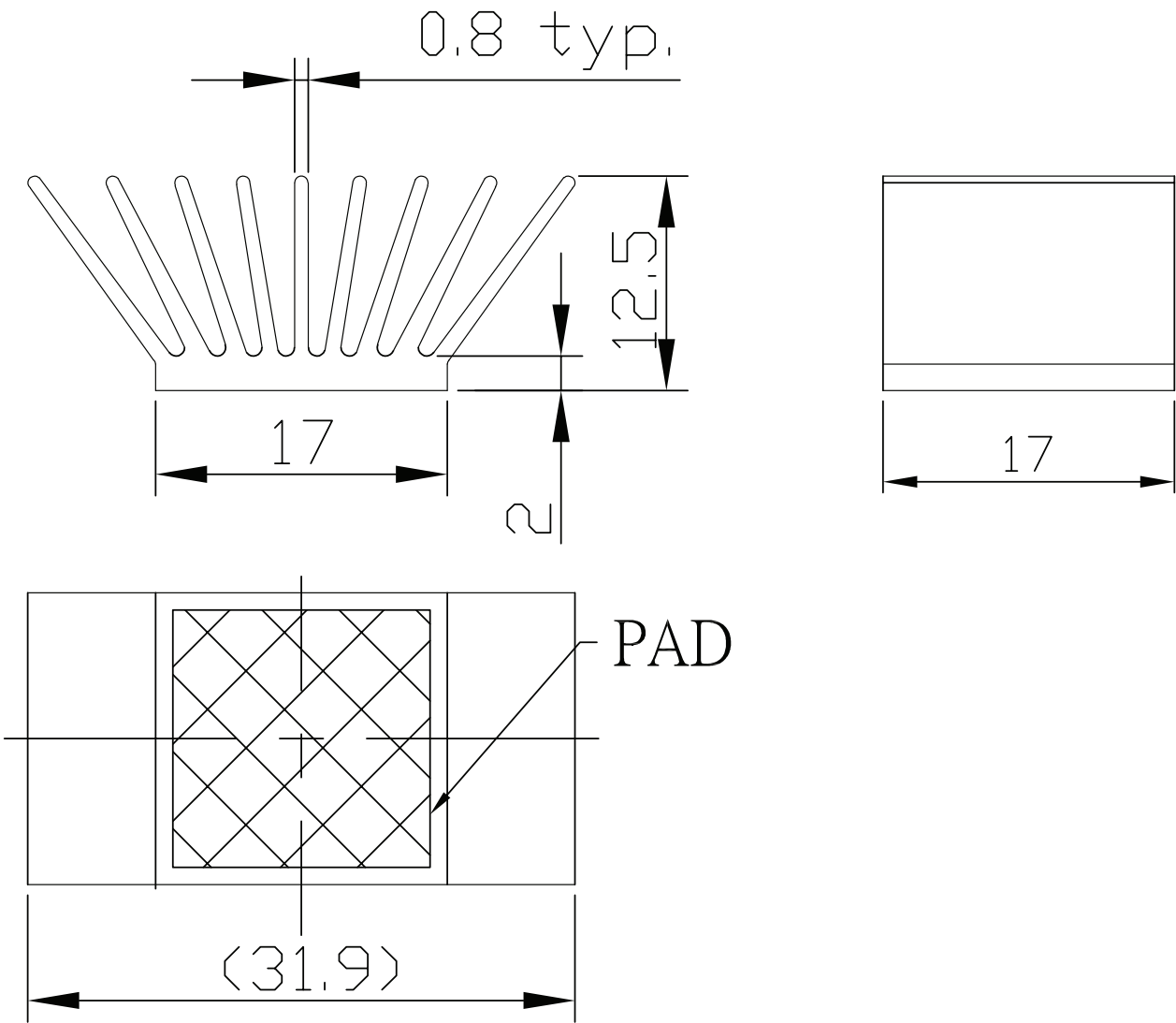
Power [W]	Heatsink Temperature Rise Above Ambient ($\Delta T = T_{\text{hs}} - T_{\text{a}}$) [°C]		
	Natural Conv.	200 LFM	400 LFM
0	0	0	0
1	26.1	6.7	4.2
2	47.5	13.3	8.3
3	66.2	20.2	12.5
4	83.9	26.9	16.8
5	100.4	33.4	20.8

T_{hs}: "hot spot" temperature measured on the heatsink
T_a: 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
1.01	logo, datasheet style update	08/05/2022
1.02	CUI Devices rebranded to Same Sky	09/12/2024

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



Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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