

Product Change Notice (PCN)

Date: December 22nd, 2025

PCN Number: PCN-0420191R-01

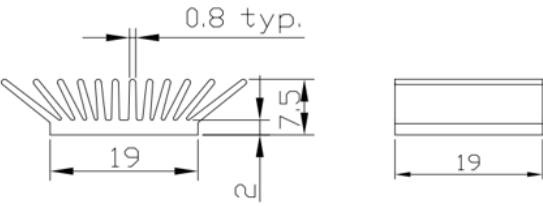
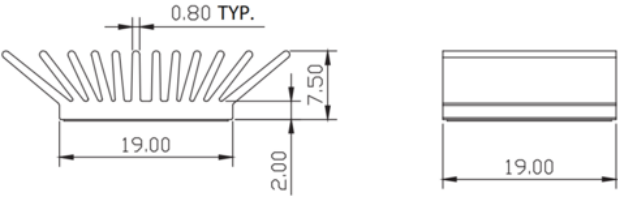
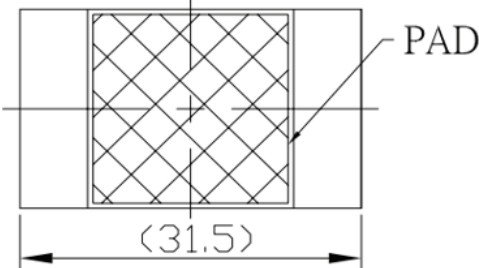
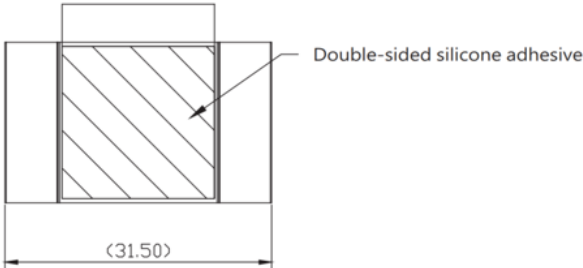
To Our Customers:

We appreciate your use of our products. Our commitment in maintaining and improving processes is demonstrated by plans to enhance our product quality, reliability, and manufacturability. The purpose of this notice is to inform you of a product change.

Product(s) Affected: *HSE01-193175 & HSE01-193175P*

Reason(s) for Change: *Factory Location Change*

Description of Change: *Product re-engineered for improved manufacturability and production yield. See image below for product changes. Cosmetic differences may be visible and not affect the form fit and function of the product.*

PREVIOUS SAME SKY DETAIL / IMAGE	NEW SAME SKY DETAIL / IMAGE
	
	



MODEL

	thermal pad	thermal resistance ¹			power dissipation ²
	@ 70°C (158°F)	@ 1 W, 250 LPM (7°C/W)	@ 1 W, 400 LPM (5°C/W)	@ 1 W, 800 LPM (3.5°C/W)	@ 70°C (158°F)
HSE01-10277R	10	25.44	29.0	9.2	5.8
HSE01-10277SP	yes	25.44	29.0	9.2	5.8

Note:

See performance curves for full thermal resistance details.

THERMAL PAD SPECIFICATIONS

parameter	test method/conditions/description			min	typ	max
material	double-sided silicone adhesive					
color	white					
thickness					0.2	mm
specific gravity					1.8	
dielectric breakdown voltage	at 100 µm				300	V
thermal conductivity					0.7	W/mK
thermal resistance	at 100 µm, 20 psi				1.82	cm ² /K/W

PERFORMANCE CURVES

Power (W)	Natural Con.	200 LPM	400 LPM
0	0	0	0
1	29.0	9.2	5.8
2	58.7	18.5	11.6
3	88.3	27.7	17.4
4	118.0	36.9	23.2
5	147.7	46.1	29.0

Note:

The "hot spot" temperature measured on the top surface of the device.

Weight: 6.9 g

MODEL

	thermal pad	thermal resistance ¹			power dissipation ²
	@ 70°C (158°F)	@ 1 W, 250 LPM (7°C/W)	@ 1 W, 400 LPM (5°C/W)	@ 1 W, 800 LPM (3.5°C/W)	@ 70°C (158°F)
HSE01-10277R	10	23.43	26.9	8.3	5.7
HSE01-10277SP	yes	23.43	26.9	8.3	5.7

Note:

See performance curves for full thermal resistance details.

THERMAL PAD SPECIFICATIONS

parameter	test method/conditions/description			min	typ	max
material	double-sided silicone adhesive					
color	white					
thickness					0.2	mm
specific gravity					1.8	
dielectric breakdown voltage	at 100 µm				300	V
thermal conductivity					0.7	W/mK
thermal resistance	at 100 µm, 20 psi				1.82	cm ² /K/W

PERFORMANCE CURVES

Power (W)	Natural Con.	200 LPM	400 LPM
0	0	0	0
1	26.9	8.3	5.7
2	53.8	16.6	11.4
3	80.7	24.9	17.1
4	107.6	33.2	22.8

Note:

The "hot spot" temperature measured on the top surface of the device.

Weight: 6.09 g

Affected Date Code: 12/16/2025

Product Availability: Pertaining to market availability

PCN Approval:

Operations/Quality

Product Management