



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 resistance ¹				power dissipation ²
	thermal pad	@ 70°C, 0.5 watt (T _{case} -T _{amb})	@ 1 W, 0.5 watt (T _{case} -T _{amb})	@ 1 W, 0.5 watt (T _{case} -T _{amb})	@ 1 W, 0.5 watt (T _{case} -T _{amb})	@ 70°C, 0.5 watt (T _{case} -T _{amb})
HSE01-082775	10	25.44	29.0	9.2	5.8	2.35
HSE01-082750P	10	25.44	29.0	9.2	5.8	2.35

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			1.8		
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	87.3	27.7	17.4
4	115.9	36.9	23.2
5	144.5	46.1	29.0

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

Weight: 6.9 g

 | MODEL | | Thermal resistance ¹ | | | | power dissipation ² | |---------------|-------------|--|--|--|--|--| | | thermal pad | @ 70°C, 0.5 watt
(T _{case} -T _{amb}) | @ 1 W,
0.5 watt
(T _{case} -T _{amb}) | @ 1 W,
0.5 watt
(T _{case} -T _{amb}) | @ 1 W,
0.5 watt
(T _{case} -T _{amb}) | @ 70°C, 0.5 watt
(T _{case} -T _{amb}) | | HSE01-082775 | 10 | 23.43 | 26.9 | 8.3 | 5.7 | 3.20 | | HSE01-082750P | 10 | 23.43 | 26.9 | 8.3 | 5.7 | 3.20 | 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 | | | 1.8 | | | | 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 | 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

Rosemary

Product Management

RH