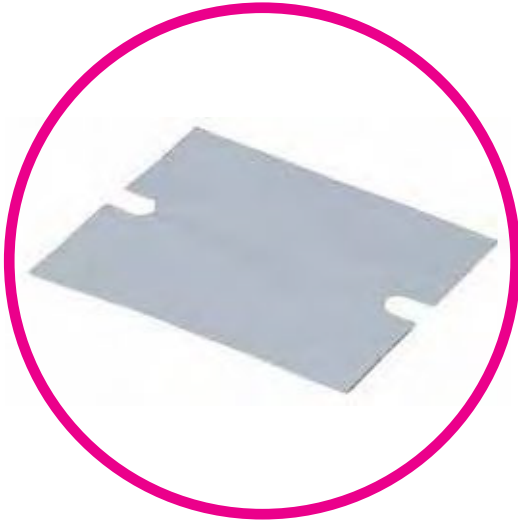# THERMAL PADS | HSP SERIES
ACCESSORIES

Features
- Easy-to-use thermal interface Material designed for use with Standard single-phase and three-phase solid-state relays.
- Excellent alternative to thermal grease.
- Shipped in packs of 25.

HSP-1
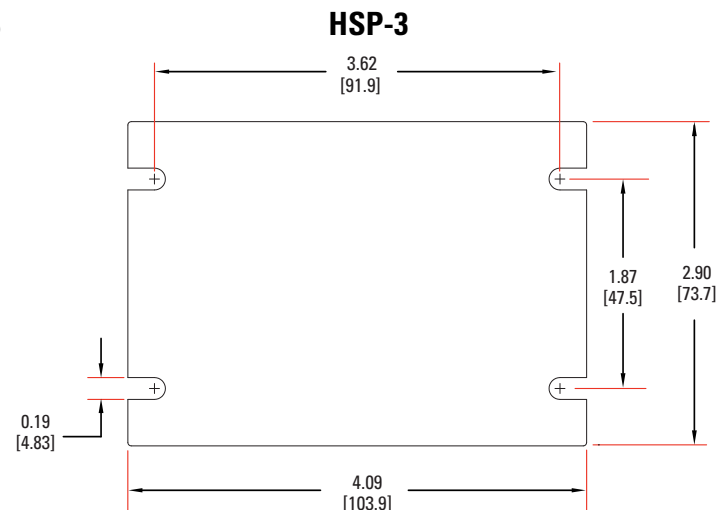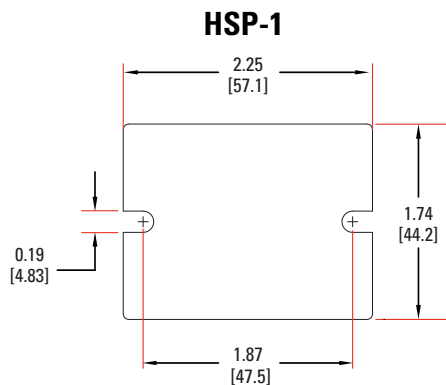For use with all single phase Panel mount SSR's, Control modules and M50 power modules.

HSP-3
For use will all three phase panel mount SSR's (53TP/53RV).

GENERAL SPECIFICATIONS

Description	HSP-1/HSP-3
Thickness, inch (mm)	0.003 (0.076)
Adhesive One Side	No
Thermal Impeadance [°C-in²/W] **(1)**	0.03 @20 psi
Apparent Thermal Conductivity [W/m-K]	1.0
Phase-Change Temperature [°C]	60
Operating Temperature Range [°C]	-55 to 150
Volume Resistivity [ohm-cm]	10^{12} Ohm
Specific Gravity	NA
Suggested Heatsink Clamping Pressure, psi (MPa)	20 to 100 (0.138 to 0.690)

MECHANICAL SPECIFICATIONS

HSP-3

Tolerances: ±0.010in/0.3mm
All dimensions are in: Inches [milimeters]

HSP-1

GENERAL NOTES

(1) This value is provided for reference only. Actual application performance is directly related to the surface roughness, flatness and pressure applied.

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WARNINGS

DANGER

RISK OF MATERIAL DAMAGE AND HOT ENCLOSURE
- The product's side panels may be hot, allow the product to cool before touching
- Follow proper mounting instructions including torque values
- Do not allow liquids or foreign objects to enter this product

Failure to follow these instructions can result in serious injury, or equipment damage.

Danger Electric shock risk

HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH
- Disconnect all power before installing or working with this equipment
- Verify all connections and replace all covers before turning on power

Failure to follow these instructions will result in death or serious injury

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