



NPH Standard Miniature Cartridge Heaters Specifications and Tolerances



Specifications:

Size	Nominal Diameter	Minimum Length	Maximum Length	Maximum Volts	Maximum Amps
1/8"	0.122"	1/2"	6"	120V	4 Amps
4 mm	0.155"	5/8"	6"	120V	4 Amps

Tolerances for 4MM and 1/8" Outside Diameter (OD) Heaters

Diameter	Wattage	Length
+/-0.002"	For Lengths: <= 3/4": +/- 20%	+/- 3% with 3/32 Inch Min.
	For Lengths: >3/4": +10%/-15%	

Standard Lead Wires

#24 gauge insulated with Teflon / Fiberglass, rated to 482 F, 12" long

Lead Wire Options

Non Standard Length:

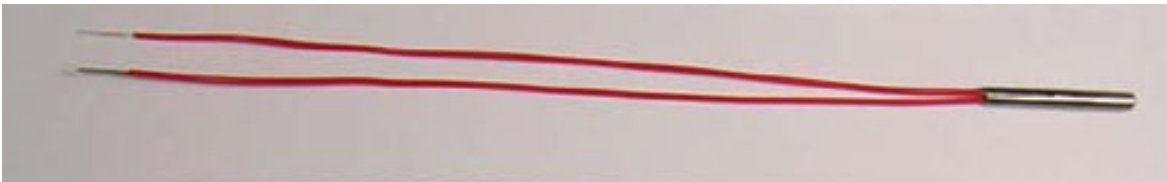
One Inch to 20 feet

Teflon Insulated Leads

- #24 gage stranded Nickel conductor
- Rated to 482 F
- Slender and flexible to simplify wiring

Solid Nickel Leads

- 1/4" to 12" length available
- Bare or with continuous Teflon jacket



NPH 1/8" OD Cartridge Heater With Swaged-In Leads Simplifies Wiring

National Plastic Heater is now offering a new swaged-in flexible lead for its line of 1/8" OD miniature cartridge heaters. Called Type SIT, this lead is a slender, flexible Teflon jacketed wire, which features continuous construction with no bulky splices. These lead wires simplify wire management around small devices. They can be bent sharply where they exit the heater without exposing the conductor. Bends require less than 1/16" of clearance. At just .045" in diameter, SIT leads require less than half the space of standard fiberglass insulated hookup wire. Because they are silicone-free, they are suitable for use in clean-room environments and in ink-jet printers.

SIT leads are rated for service up to 500 degrees F (260 degrees C). Maximum amperage capacity is 4 amps. Maximum voltage is 240 volts.

Typical Applications Include:

- Burn-in test socket heating
- Scientific instrumentation
- Inkjet printers and print heads
- Adhesive dispensing, packaging
- Explosive & narcotics detection
- 3D printers
- Insertion Heaters for-Plastics Extrusion
- Medical Equipment and Other Industrial Applications



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Terms and conditions posted below apply:

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