

HT15W - 15W Miniature Cartridge Heating Element



Description

HT15W

The HT15W is a 1/8" x 1/2", 15W heating element rod with 2.5" leads compatible with Thorlabs TC200 general purpose heater controller.

Specifications

HT15W			
Rated Heater Power	0.90W @ 6V	3.8W @ 12V	15W @ 24V $\pm 20\%$
Diameter	0.122" (3.1mm) ± 0.002 "		
Length	0.5" (12.7mm) ± 0.015 "		
Heater Resistance	38.4 Ω $\pm 10\%$		
Lead Length	2.5" Typ. (63.5mm)		
Maximum Block Temperature	315°C (600°F) (When Installed in a 0.125" Diameter Bore in a Metal Block)		



Application Information

Maximum Lead Exit Temperature: The lead exits of the heater are insulated with PTFE end caps. While the heater body may be operated at much higher temperatures, the PTFE caps should never exceed 260°C (500°F).

Use of Release Agents: The HT15W is guaranteed not to seize in any installation. Because of this the use of release agents is unnecessary and not recommended. However, these agents may still be applied if desired. In some cases the release agent may enter the heater and cause a temporary loss of insulation resistance. This can be restored by warming the heater to 120°C (250°F) prior to application of full power.

Related Thorlabs Products:

TH10K - 10K Ω NTC Thermistor (150°C maximum)

TH100PT - 100 Ω PTC Platinum Temperature Sensor (750°C maximum)

TC200 - General Purpose Heater Controller