Metal Ceramic Ring Heater, 19 W



HT19R2

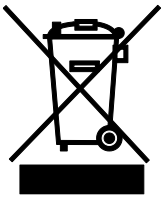
Description

The HT19R2 metal ceramic heater is a ring-shaped heating element with a 10 kΩ thermistor. It can be used with Thorlabs' TC300 general-purpose heater controller. This 19 W heating element has an outer diameter of 50.0 mm and an inner diameter of 43.0 mm.

Specifications

General Specifications	
Rated Heater Power	19 W @ 24 V ± 20% (4.8 W @ 12 V and 1.2 W @ 6 V)
Heater Resistance	30 Ω ± 10%
Thermistor Model (10 kΩ)	TDK B57230V2103F260
R_0 (@ T_0 = 25 °C)	10 kΩ ± 1%
$B_{25/100}$	3455 K ± 1%
Outer Diameter	50.0 mm ± 0.5 mm (1.97" ± 0.02")
Inner Diameter	43.0 mm ± 0.5 mm (1.69" ± 0.02")
Thickness[a]	1.3 mm ± 0.3 mm (0.051" ± 0.009")
Lead Length (Typical)	305.0 mm +10/-0.0 mm (12.0" +0.4/-0.0")
Application Information	
Maximum Temperature	90 °C

a. This specification does not include the thickness of the thermistor.



Electrical Connections

