Metal Ceramic Heater Element, 10 W



HT10KR2

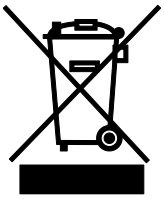
Description

The HT10KR2 metal ceramic ring heater is a ring-shaped heating element with a thermistor and is compatible with Thorlabs' TC300 general-purpose heater controller. This 10 W heating element has an outer diameter of 24.9 mm and an inner diameter of 20.0 mm.

Specifications

General Specifications	
Rated Heater Power	10 W ± 20% @ 24V (2.8 W @ 12 V and 0.7 W @ 6 V)
Heater Resistance	50 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	24.9 mm ± 0.5 mm (0.98" ± 0.02")
Inner Diameter	20.0 mm ± 0.5 mm (0.79" ± 0.02")
Thickness[a]	1.0 mm ± 0.1 mm (0.04" ± 0.004")
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

