Metal Ceramic Heater Element, 10 W, 12.4 mm OD



HT10KR1

Description

The HT10KR1 metal ceramic ring heater is a ring-shaped heating element with a thermistor. It can be used with Thorlabs' TC300 general-purpose heater controller. This 10 W heating element has an outer diameter of 12.4 mm and an inner diameter of 7.2 mm.

Specifications

General Specifications	
Rated Heater Power	10 W ± 20% @ 24 V (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	12.4 mm ± 0.3 mm (0.49" ± 0.012")
Inner Diameter	7.2 mm ± 0.25 mm (0.28" ± 0.010")
Thickness	1.0 mm ± 0.1 mm (0.04" ± 0.004")
Lead Length	305.0 mm +10/-0.0 mm (12.01" +0.4/-0.0")
Maximum Temperature	90 °C



Electrical Connections

