



Fixed-tuned PDR70 for elliptical waveguide 63

## Product Classification

<b>Brand</b>	HELIAX®
<b>Product Type</b>	Elliptical waveguide connector

## General Specifications

<b>Interface</b>	PDR70
<b>Waveguide Size</b>	WR137   WG14   R70
<b>Body Style</b>	Straight, fixed-tuned
<b>Material Type</b>	Brass

## Electrical Specifications

<b>Operating Frequency Band</b>	5.725 – 7.125 GHz
<b>Insertion Loss, typical</b>	0.01 dB
<b>Peak Power, maximum at Frequency</b>	102.00 kW @ 6.78 GHz

## Mechanical Specifications

<b>Attachment Method</b>	Tab-flare   Tool-flare
<b>Inner Contact Plating</b>	Unplated
<b>Outer Contact Plating</b>	Unplated
<b>Pressurizable</b>	Yes

## Dimensions

<b>Length</b>	85.34 mm   3.36 in
<b>Transition Length</b>	52.83 mm   2.08 in
<b>Weight</b>	1.70 kg   3.75 lb
<b>Width</b>	85.85 mm   3.38 in

## Environmental Specifications

<b>Operating Temperature</b>	-55 °C to +85 °C (-67 °F to +185 °F)
<b>Storage Temperature</b>	-55 °C to +85 °C (-67 °F to +185 °F)

## Regulatory Compliance/Certifications

### Agency

RoHS 2011/65/EU

ISO 9001:2015

China RoHS SJ/T 11364-2014

### Classification

Compliant by Exemption

Designed, manufactured and/or distributed under this quality management system

Above Maximum Concentration Value (MCV)



### \* Footnotes

**Insertion Loss, typical**     $0.05\sqrt{\text{freq}} \text{ (GHz)}$  (not applicable for elliptical waveguide)