



Fixed-tuned PDR40 for elliptical waveguide 37

## Product Classification

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

## General Specifications

<b>Interface</b>	PDR40
<b>Waveguide Size</b>	WR229   WG11   R40
<b>Body Style</b>	Straight, fixed-tuned
<b>Material Type</b>	Brass

## Electrical Specifications

<b>Operating Frequency Band</b>	3.4 – 4.2 GHz
<b>Insertion Loss, typical</b>	0.01 dB
<b>Peak Power, maximum</b>	309.00 kW @ 4.00 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>	165.61 mm   6.52 in
<b>Transition Length</b>	108.20 mm   4.26 in
<b>Weight</b>	3.00 kg   6.61 lb
<b>Width</b>	117.60 mm   4.63 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**

ISO 9001:2015

**Classification**

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



### \* Footnotes

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