

# 137SEM

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Fixed-tuned PDR40 for elliptical waveguide 37

## Product Classification

**Product Type** Elliptical waveguide connector

## General Specifications

**Attachment Method** Tab-flare | Tool-flare

**Body Style** Straight, fixed-tuned

**Inner Contact Plating** Unplated

**Interface** PDR40

**Outer Contact Plating** Unplated

**Pressurizable** Yes

## Dimensions

**Width** 117.602 mm | 4.63 in

**Length** 165.608 mm | 6.52 in

**Transition Length** 108.204 mm | 4.26 in

**Waveguide Size** WR229 | WG11 | R40

## Electrical Specifications

**Insertion Loss, typical** 0.01 dB

**Operating Frequency Band** 3.4 – 4.2 GHz

**Peak Power at Frequency, maximum** 309.00 kW @ 4.00 GHz

## Material Specifications

**Material Type** Brass

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## Environmental Specifications

**Operating Temperature** -55 °C to +85 °C (-67 °F to +185 °F)

**Storage Temperature** -55 °C to +85 °C (-67 °F to +185 °F)

## Packaging and Weights

**Weight, net** 3 kg | 6.614 lb

## Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



## \* Footnotes

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