

# 143SEM

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Fixed-tuned PDR48 for elliptical waveguide 43

## 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** PDR48

**Outer Contact Plating** Unplated

**Pressurizable** Yes

## Dimensions

**Width** 116.84 mm | 4.6 in

**Length** 145.288 mm | 5.72 in

**Transition Length** 91.694 mm | 3.61 in

**Waveguide Size** WR187 | WG12 | R48

## Electrical Specifications

**Insertion Loss, typical** 0.01 dB

**Operating Frequency Band** 4.4 – 5.0 GHz

**Peak Power at Frequency, maximum** 187.00 kW @ 4.70 GHz

## Material Specifications

**Material Type** Brass

## 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** 3.4 kg | 7.496 lb

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## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
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)