### 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	5

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

Page 1 of 2

©2024 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: March 26, 2024



# 143SEM

## 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 www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant



### \* Footnotes

**Insertion Loss, typical** 0.05√<sup>-</sup>freq (GHz) (not applicable for elliptical waveguide)

Page 2 of 2

©2024 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: March 26, 2024

