

143SEM

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

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



* Footnotes

Insertion Loss, typical 0.05v̄freq (GHz) (not applicable for elliptical waveguide)