

# 2180SEM

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Fixed-tuned PDR180 for elliptical waveguide 180

## 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** PDR180

**Outer Contact Plating** Unplated

**Pressurizable** Yes

## Dimensions

**Width** 38.1 mm | 1.5 in

**Length** 88.138 mm | 3.47 in

**Transition Length** 50.8 mm | 2 in

**Waveguide Size** WR51 | WG19 | R180

## Electrical Specifications

**Insertion Loss, typical** 0.01 dB

**Operating Frequency Band** 17.7 – 19.7 GHz

**Peak Power at Frequency, maximum** 15.70 kW @ 18.70 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** 0.4 kg | 0.882 lb

## Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	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)