

# 2180SEM

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Fixed-tuned PDR180 for elliptical waveguide 180

## Product Classification

<b>Product Type</b>	Elliptical waveguide connector
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## General Specifications

<b>Attachment Method</b>	Tab-flare   Tool-flare
<b>Body Style</b>	Straight, fixed-tuned
<b>Inner Contact Plating</b>	Unplated
<b>Interface</b>	PDR180
<b>Outer Contact Plating</b>	Unplated
<b>Pressurizable</b>	Yes

## Dimensions

<b>Width</b>	38.1 mm   1.5 in
<b>Length</b>	88.138 mm   3.47 in
<b>Transition Length</b>	50.8 mm   2 in
<b>Waveguide Size</b>	WR51   WG19   R180

## Electrical Specifications

<b>Insertion Loss, typical</b>	0.01 dB
<b>Operating Frequency Band</b>	17.7 – 19.7 GHz
<b>Peak Power at Frequency, maximum</b>	15.70 kW @ 18.70 GHz

## Material Specifications

<b>Material Type</b>	Brass
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## Environmental Specifications

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**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

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