

2180SEM



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)