

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

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
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Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system



* Footnotes

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