

1180SCM

Fixed-tuned PBR220 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 PBR220

Outer Contact Plating Unplated

Pressurizable Yes

Dimensions

Width 38.1 mm | 1.5 in

Length 64.262 mm | 2.53 in

Transition Length 26.924 mm | 1.06 in

Waveguide Size WR42 | WG20 | R220

Electrical Specifications

Insertion Loss, typical 0.01 dB

Operating Frequency Band 17.7 – 19.7 GHz

Peak Power at Frequency, maximum 7.30 kW @ 18.70 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 0.4 kg | 0.882 lb

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Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Above 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/Exempted
UK-ROHS	Compliant/Exempted



* Footnotes

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