

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

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	0.05V~freq (GHz) (not applicable for elliptical waveguide)
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