

# 1180SCM

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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

<b>Agency</b>	<b>Classification</b>
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 <a href="http://www.andrew.com/ProductCompliance">www.andrew.com/ProductCompliance</a>
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted



### \* Footnotes

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