



All dimensions are in mm; tolerances according to ISO 2768 m-H

**Interface**

RPC-1.85 according to	IEC 61169-32
RPC-1.85 mechanically compatible with	RPC-2.40
Waveguide	WR-19
Flange	UG-383/U-M

**Material and plating**

**Connector parts**

Center conductor  
Outer conductor RPC-1.85  
Waveguide

**Material**

CuBe  
Stainless steel  
Brass

**Plating**

Gold, min. 1.27 µm, over nickel  
Passivated  
Gold, min. 1.27 µm, over nickel

Adaptor  
RPC-1.85 Jack – Waveguide WR-19

**08K500-383**

**Electrical data**

Impedance 50 Ω  
 Frequency 40 GHz to 60 GHz  
 Return loss ≥ 20 dB, 40 GHz to 60 GHz  
 Insertion loss ≤ 0.5 dB, 40 GHz to 60 GHz

**Mechanical data**

Mating cycles RPC-1.85 ≥ 500  
 Maximum torque RPC-1.85 1.70 Nm  
 Recommended torque RPC-1.85 0.90 Nm  
 Recommended torque WR19 1.10 Nm  
 Gauge RPC-1.85 0.00 mm to 0.05 mm

**Environmental data**

Temperature range - 40 °C to +85 °C  
 RoHS compliant

**Packing**

Standard 1 pce in box  
 Weight 34 g/pce

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Marcel Panicke	11.02.19	Lars Ramtke	28.06.21	b00	21-1076	Marion Striegler	28.06.21

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