



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

**Interface**

According to  
Mechanically compatible with  
Waveguide  
Flange

IEC 61169-15, EN 122110, MIL-STD-348A, Fig. 310  
RPC-3.5, RPC-2.92  
WR 62  
UG-419/U

**Material and plating**

**Connector parts**

Center contact  
Outer contact  
Body  
Dielectric

**Material**

CuBe  
Stainless steel  
Brass  
PTFE

**Plating**

Gold, min. 1.27 µm, over chemical nickel  
Passivated  
AuroDur®, gold plated

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RF\_35/09.14/6.2

**Electrical data**

Impedance	50 Ω
Frequency	12.4 GHz to 18 GHz
Return loss	≥ 19 dB @ 12.4 GHz to 18 GHz
Insertion loss	≤ 0.05 x √f [GHz] dB

**Mechanical data**

Mating cycles	≥ 500
Center contact captivation: axial	≥ 20 N
radial	≥ 1 Ncm
Coupling torque (recommended)	≤ 1.65 Nm
Recommended torque	0.8Nm to 1.1 Nm

**Environmental data**

Temperature range	-55 ° C to +155 ° C
Thermal shock	IEC 61169-1, Subclause 9.4.4
Corrosion resistance	IEC 61169-1, Subclause 9.4.6
Vibration	IEC 61169-1, Subclause 9.3.3
Shock	IEC 61169-1, Subclause 9.3.14
Moisture resistance	IEC 61169-1, Subclause 9.4.3
RoHS	compliant

**Packing**

Standard	1 pcs/box
Weight	62.40 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.

Draft	Date	Checked	Approved	Date	Rev	Engineering change number	Name	Date
Binhong Xi	26/12/18	QIAO	JEFF	26.12.18	100	18-m001	Binhong	26.12.18