



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

Interface

According to	IEC 61169-35
Mechanically compatible with	RPC-3.5, SMA
Waveguide	WR 28
Flange	UG-599/U

Material and plating

Connector parts

Center contact	Material	CuBe
Outer contact		Stainless steel
Body		Brass
Dielectric		PEEK

Plating

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

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Electrical data

Impedance	50 Ω
Frequency	26.5 GHz to 40 GHz
Return loss	≥ 19 dB @ 26.5 GHz to 40 GHz
Insertion loss	≤ 0.06 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	26.16 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	200	18-m001	Binhong	25.12.18