



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

Interface

According to IEC 60169-15, EN 122110, MIL-STD-348A, Fig. 310

Documents

Assembly instruction 32 A

Material and plating

Connector parts

- Center contact
- Outer contact
- Coupling nut
- Dielectric
- Gasket

Material

- Brass
- CuBe or equiv.
- CuBe or equiv.
- PTFE
- Silicone

Plating

- AuroDur®, gold plated
- AuroDur®, gold plated
- Gold, 0.1 µm min.

Electrical data

Impedance	50 Ω
Frequency	DC to 18 GHz
VSWR	≤ 1.05 + 0.01 x f [GHz]
Insertion loss	≤ 0.03 x √f [GHz] dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 3 mΩ
Outer contact resistance	≤ 2 mΩ
Test voltage (at sea level)	1000 V rms
Working voltage (at sea level)	480 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	≤ 200 W @ 2 GHz
RF-leakage	≥ 100 dB @ DC to 1 GHz

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles	≥ 500
Coupling nut retention	≥ 270 N
Coupling test torque	≤ 1.7 Nm
Recommended torque	0.8 Nm to 1.1 Nm

Environmental data

Temperature range	-65 °C to +165 °C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition D
Shock	MIL-STD-202, Method 213, Condition I
Moisture resistance	MIL-STD-202, Method 106
RoHS	compliant

Tooling

N/A

Suitable cables

UT 47

Weight

Weight 5.10 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	Approved	Date	Rev.	Engineering change number	Name	Date
Rong Fang	27.03.14	S. Krautenbacher	18.07.14	e00	14-0352	Fl. Öllerer	18.07.14
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de					Tel. : +49 8684 18-0 Fax : +49 8684 18-499 Email : info@rosenberger.de		Page 2 / 2