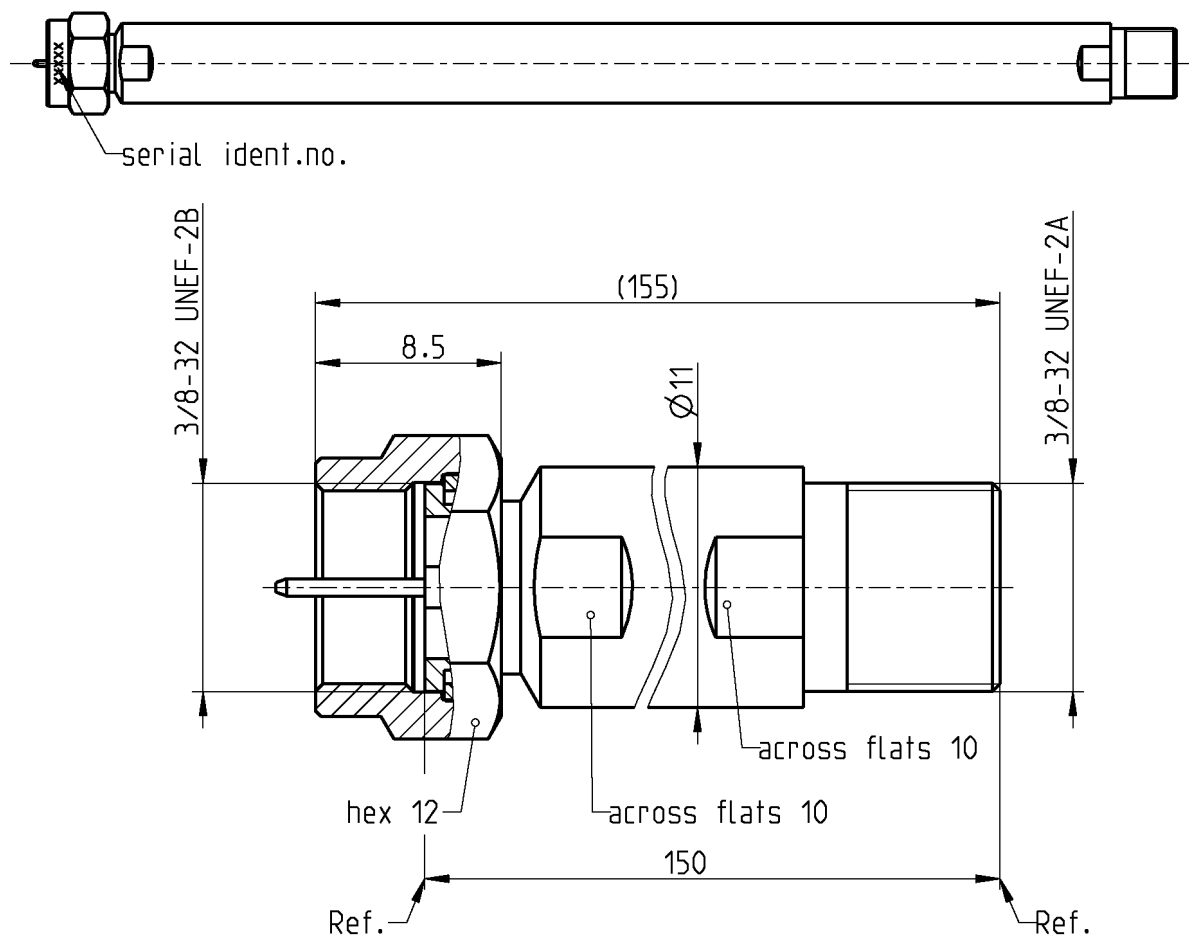




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to IEC 169-24 ; EIA-550

Documents

N/A

Material and plating

Connector parts

Center contact
Outer contact
Coupling nut

Material

Beryllium copper
Brass
Stainless steel

Plating

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

Electrical data

Impedance	75 $\Omega \pm 0.60 \Omega$
Frequency	0.1 GHz to 4 GHz
Return loss	≥ 40 dB, 0.1 GHz to 3 GHz ≥ 35 dB, 3 GHz to 4 GHz
Insertion loss	≤ 0.18 dB at 4 GHz
Center contact resistance	≤ 10.0 m Ω
Outer contact resistance	≤ 1.0 m Ω

Mechanical data

Mating cycles	≥ 500
Coupling test torque	6.78 Nm
Recommended torque	1.70 Nm to 2.26 Nm
Airline dimensions:	
- Outer diameter	6.500 mm ± 0.010 mm
- Inner diameter	1.860 mm ± 0.007 mm
- Length	150.00 mm ± 0.02 mm

Environmental data

Temperature range	-40°C to +85°C
Thermal shock	IEC 61169-1, Subclause 9.4.4
Corrosion	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

Tooling

N/A

Suitable cables

N/A

Packing

Standard	1 pce in box
Weight	78.3 g/pce

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Herbert Babinger	11/04/05	Armin Maiwaelder	11/04/05	a00	05-s141	Herbert Babinger	11/04/05
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