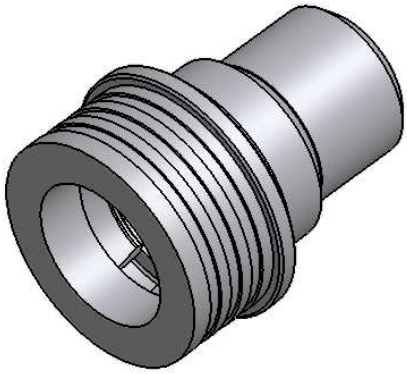
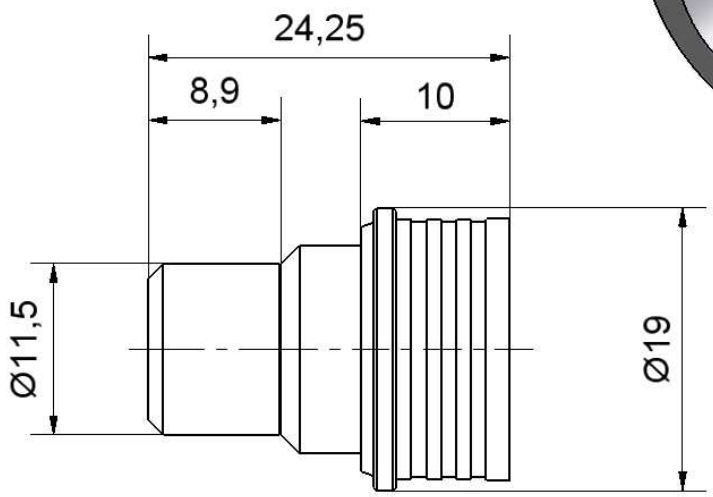
Technical Data Sheet		Rosenberger
QN	Termination Plug 1 Watt	**153QS15R-001N4**





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

Interface

According to	QLF® (Quick Lock Formula) Rosenberger is an authorized QLF® manufacturer

Documents

N/A

Material and plating

Connector parts	**Material**	**Plating**
Center conductor	Brass	Gold, min. 0.8 µm, over nickel
Outer conductor	Brass	Flash white bronze over silver(e.g. Optargen®)
Body	Brass	White bronze(e.g. Optalloy®)
Unlocking sleeve	Brass	White bronze(e.g. Optalloy®)
Dielectric	PTFE	
Gasket	Silicone	
Substrate	Al_2O_3	

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QN	Termination Plug 1 Watt	**153QS15R-001N4**

Electrical data

Impedance	50 Ω
Frequency	DC to 6 GHz
Return loss	≥ 26 dB, DC to 2 GHz ≥ 21 dB, 2 GHz to 4 GHz ≥ 19 dB, 4 GHz to 6 GHz
Power handling (at 25 °C, sea level)	1 W @ 2.5 GHz, derated linearity by 0.01 W/K

Mechanical data

Mating cycles	≥ 100
Interface retention force	≥ 450 N
Engagement force	30 N (typ.)
Disengagement force	30 N (typ.)

Environmental data

Temperature range	-40 °C to +125 °C
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Packing

Standard	30 pcs in blister
Weight	19.2 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
Marcel Panicke	13.05.08	Markus Müller	22.05.18

Rev.	Engineering change number	Name	Date
b00	18-1027	Marion Striegler	22.05.18

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