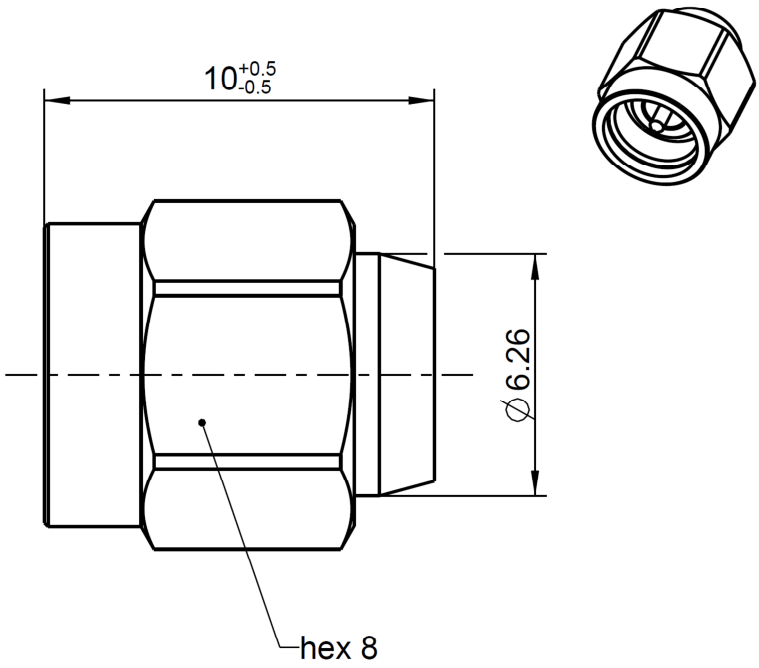
Technical Data Sheet		Rosenberger
SMA	Termination Plug 1 Watt	**32S15B-1.0S3**



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

Interface

According to	IEC 60169-15, EN 122110, MIL-STD-348

Documents

N/A

Material and plating

Connector parts	**Material**	**Plating**
Center contact	Brass	Gold, min. 1.27 µm, over chemical nickel
Outer contact	Stainless steel	Passivated
Dielectric	PTFE	
Coupling nut	Stainless steel	Passivated
Gasket	Silicone	
Substrate	Al_2O_3	

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Electrical data

Impedance	50 Ω ± 5%
Frequency	DC to 18 GHz
Return loss	≥ 32.2 dB @ DC to 8 GHz ≥ 26.4 dB @ 8 GHz to 12.4 GHz ≥ 19.1 dB @ 12.4 GHz to 18 GHz
Center contact resistance	≤ 3 mΩ
Outer contact resistance	≤ 2 mΩ
Impulse Power (1µs, 1%)	100 Watts at 25°C environment temperature
Power handling (at 25 °C, sea level)	≤ 1 W derated linearity to 0 Watts at 125°C

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	-55 °C to +155 °C
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

2.3 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
Martin Moder	18.03.16	J_Krautenbacher	15.07.16

Rev.	Engineering change number	Name	Date
b00	15-1629	I_Wallner	15.07.16

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