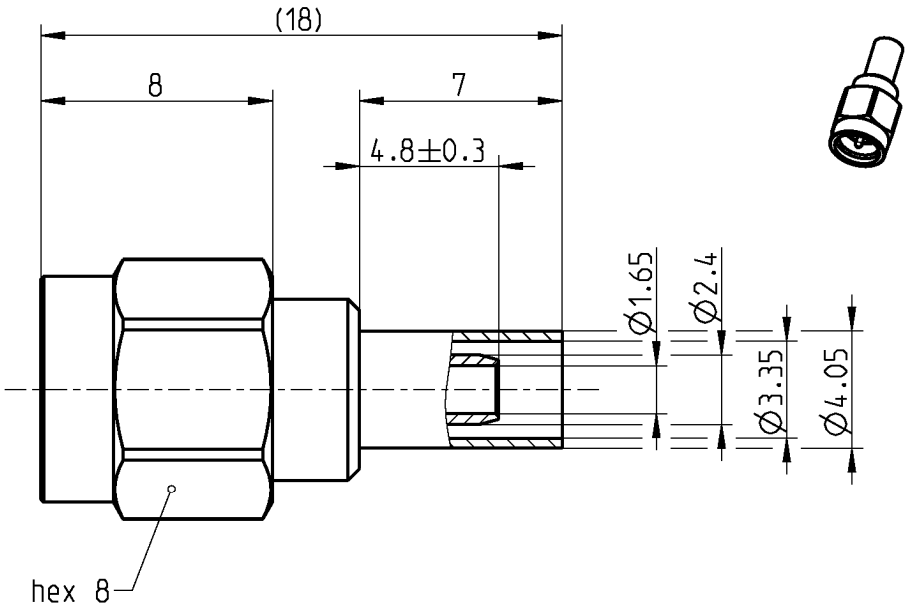
TECHNICAL DATA SHEET	Rosenberger
SMA STRAIGHT PLUG	**32S107-303L5**



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

Interface

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

Documents

Assembly instruction	32 B5

Material and plating

Connector parts	**Material**	**Plating**
Center contact	Brass	AuroDur®, gold plated
Outer contact	CuBe or equiv.	AuroDur®, gold plated
Dielectric	PTFE	
Gasket	Silicone	
Coupling nut	CuBe or equivalent	Gold, 0.1 µm
Crimping ferrule	Copper	Gold, 0.1 µm

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Electrical data

Impedance	50 Ω
Frequency	DC to 12.4 GHz
VSWR	≤ 1.05 + 0.01 x f [GHz], DC to 5 GHz
Insertion loss	≤ 0.03 x $\sqrt{f(GHz)}$ dB, DC to 5 GHz
Insulation resistance	≥ 5 x10^3 MΩ
Center contact resistance	≤ 3 mΩ
Outer contact resistance	≤ 2 mΩ
Test voltage	1000 V rms
Working voltage	480 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	≤ 200 W @ 2 GHz
RF-leakage	≥ 100 dB up to 1 GHz

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles	min. 500
Coupling nut retention	≥ 270 N
Center contact captivation: axial	≥ 27 N
Coupling test torque	max. 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, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. D
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Tooling

Crimping tool	11W150-000
Crimp insert	11W150-102

Suitable cables

TZC 502 2101, RG 316 /U-d, K 02252 D

Weight

Weight	2.87 g/pce

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
M. Schmid	06/07/07	J_Krautenbacher	21.07.16	c00	15-1629	I_Wallner	21.07.16

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