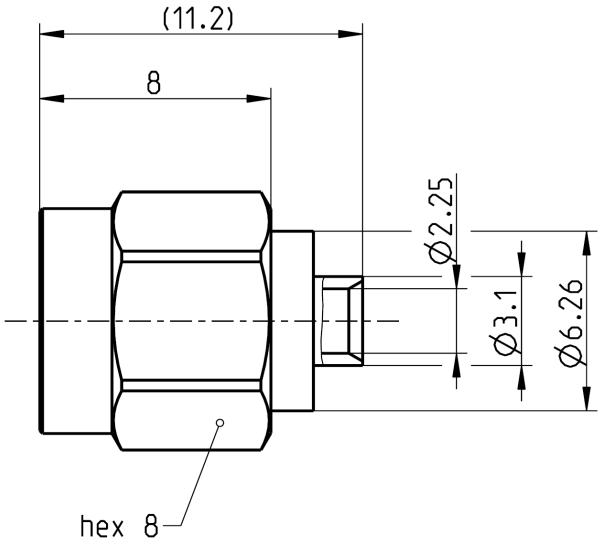
TECHNICAL DATA SHEET	Rosenberger
SMA STRAIGHT PLUG	**32S122-271S5**



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 A6 or 32 A20

Material and plating

Connector parts	**Material**	**Plating**
Center contact	Brass	AuroDur, gold plated
Outer contact	Beryllium copper or equivalent	AuroDur, gold plated
Coupling nut	Stainless steel	Passivated
Dielectric	PTFE	
Gasket	Silicone	

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Electrical data

Impedance	50 Ω
Frequency	DC to 18 GHz
VSWR	≤ 1.05 + 0.01 x f [GHz]
Insertion loss	≤ 0.03 x $\sqrt{f(GHz)}$ dB
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
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

N/A

Suitable cables

UT 85, RG 405

Weight

Weight	2.50 g/pce

Draft	Date	Approved	Date
Rong Fang	01/03/04	J_Krautenbacher	21.07.16

Rev.	Engineering change number	Name	Date
c00	15-1629	I_Wallner	21.07.16

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