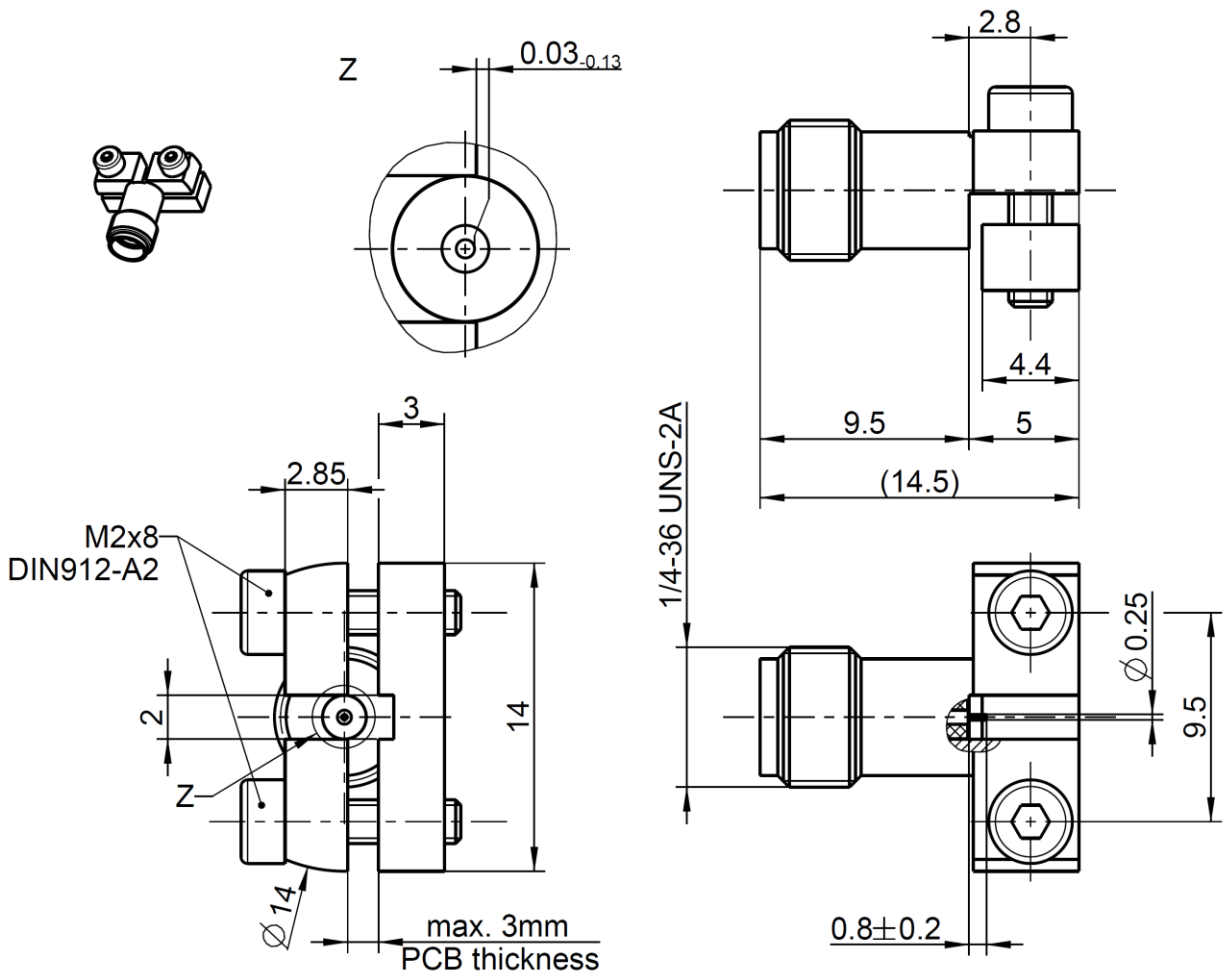
TECHNICAL DATA SHEET	Rosenberger
SMA RIGHT ANGLE JACK PCB	**32K243-40ML5**



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

Interface

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

Documents

PCB layout	B 208

Material and plating

Connector parts	**Material**	**Plating**
Center contact	Beryllium copper	AuroDur, gold plated
Outer contact	Brass	AuroDur, gold plated
Dielectric	PTFE	

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Electrical data

Impedance	50 Ω
Frequency	DC to 18 GHz
VSWR	≤ 1.1 + 0.02 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; ≤ 100 W @ 10 GHz
RF-leakage	≥ 100 dB up to 1 GHz

- VSWR in application depends decisive on PCB layout -

Mechanical data

Mating cycles	min. 100
Center contact captivation: axial	≥ 27 N
Coupling test torque	max. 0.6 Nm
Recommended torque	0.5 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
Max. soldering temperature	IEC 61760-1, +260°C for 10 sec.
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight	4.3 g/pce

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
M. Bachhuber	27/07/06	T. Höher	28.06.18	f00	18-1081	S. Krautenb.	27.06.18

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