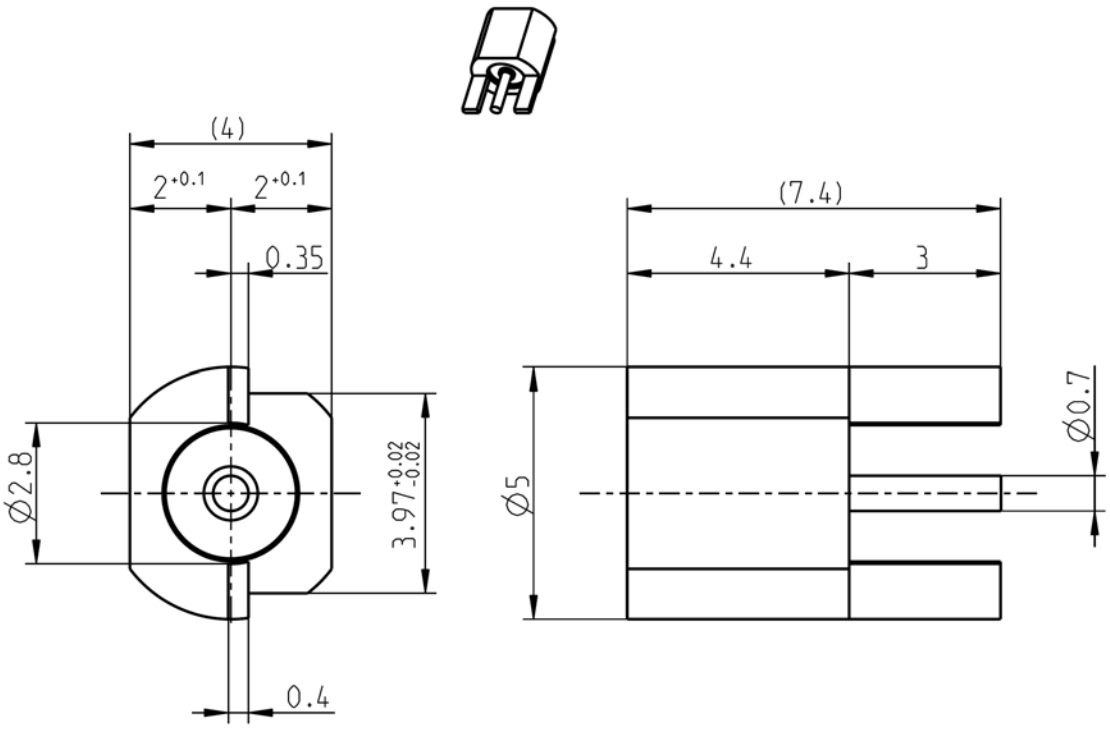
TECHNICAL DATA SHEET	Rosenberger
SMP RIGHT ANGLE PLUG PCB LIMITED DETENT	**19S202-40ML5**



All dimensions are in mm; tolerances acc. ISO 2768 m-H

Interface

According to	MIL-STD-348A, Fig. 326

Documents

PCB layout	B 125
Tape & reel packaging	VG03.01M00

Material and plating

Connector parts	**Material**	**Plating**
Center contact	Brass	Gold, min. 0.15 µm, over chemical nickel
Outer contact	Brass	Gold, min. 0.15 µm, over chemical nickel
Dielectric	PTFE	

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Electrical data

Impedance	50 Ω
Frequency	DC to 26.5 GHz
Return loss	≥ 26 dB, DC to 6 GHz ≥ 20 dB, 6 to 18 GHz ≥ 17 dB, 18 to 26.5 GHz
Insertion loss	$\leq 0.05 \times \sqrt{f(GHz)}$ dB, DC to 18 GHz
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 6.0 mΩ
Outer contact resistance	≤ 2.0 mΩ
Test voltage	500 V rms
Working voltage	335 V rms
Contact Current	1.2A DC max.

- VSWR in application depends decisive on PCB layout -

Mechanical data

Mating cycles	≥ 500
Center contact captivation:	≥ 7 N
Engagement force	
- limited detent	45 N max.
Disengagement force	
- limited detent	9 N min.

Environmental data

Temperature range	-65°C to +155°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition A
Moisture resistance	MIL-STD-202, Method 106
Max. soldering temperature	IEC 61760-1, +260°C for 10 sec.
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight	0.4 g/pce

Draft	Date	Approved	Date
F. Schmidhammer	04/04/06	Sa. Krautenbacher	12.03.14

Rev.	Engineering change number	Name	Date
e00	14-0352	T. Krojer	12.03.14

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