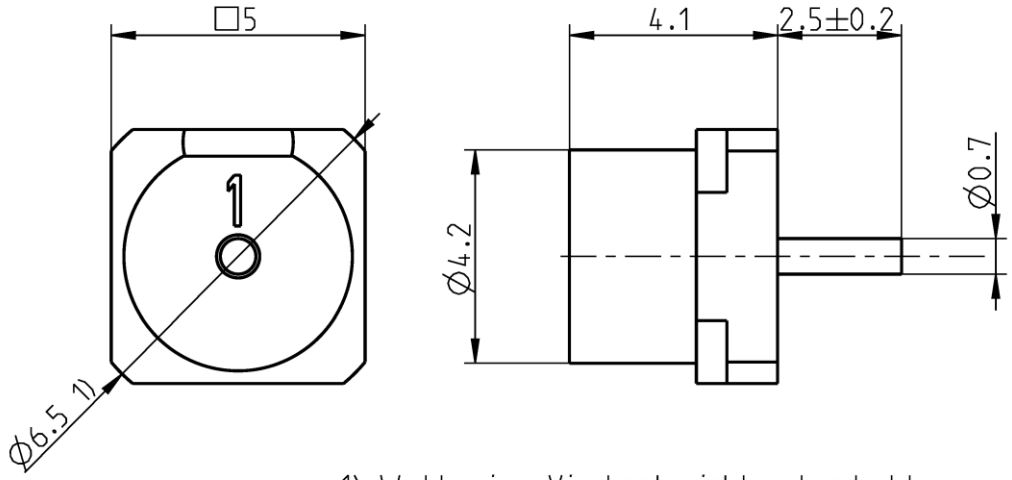
Technical Data Sheet		Rosenberger
SMP	Straight Plug Limited Detent	**19S103-500L5**



1) Wahlweise Vierkant nicht ueberdreht
Optional square not overwound

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

Interface

According to	MIL-STD-348

Documents

Foot print	B 123

Material and plating

Connector parts	**Material**	**Plating**
Center contact	Brass	AuroDur®, gold plated
Outer contact	Brass	AuroDur®, gold plated
Dielectric	PEEK	

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Electrical data

Impedance	50 Ω
Frequency	DC to 26.5 GHz
Return loss	≥ 26 dB, DC to 2 GHz
	≥ 20 dB, 2 to 6 GHz
Insertion loss	≤ 0.05 x $\sqrt{f(GHz)}$ dB, DC to 6 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
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight 0.3 g/pce

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.

Draft	Date	Approved	Date
König A.	10.07.07	Chr. Janßen	27.10.20

Rev.	Engineering change number	Name	Date
e00	20-1927	S. Huber-Siegl	27.10.20

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