



1) Wahlweise Vierkant nicht ueberdreht  
*Optional square not overwound*

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

**Interface**

According to MIL-STD-348

**Documents**

Foot print B 123

**Material and plating**

**Connector parts**

Center contact  
Outer contact  
Dielectric

**Material**

Brass  
Brass  
PEEK

**Plating**

AuroDur, gold plated  
AuroDur, gold plated

**SMP****STRAIGHT PLUG  
LIMITED DETENT****19S103-500L5****Electrical data**

Impedance	50 $\Omega$
Frequency	DC to 26.5 GHz
Return loss	$\geq 26$ dB, DC to 2 GHz $\geq 20$ dB, 2 to 6 GHz
Insertion loss	$\leq 0.05 \times \sqrt{f(\text{GHz})}$ dB, DC to 6 GHz
Insulation resistance	$\geq 5$ G $\Omega$
Center contact resistance	$\leq 6.0$ m $\Omega$
Outer contact resistance	$\leq 2.0$ m $\Omega$
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	$\geq 500$
Center contact captivation	$\geq 7$ 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

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
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