



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

Interface

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

Documents

PCB layout B 120
Tape & reel packaging VG01.01M00

Material and plating

Connector parts

Center contact
Outer contact
Dielectric

Material

Brass
Brass
LCP

Plating

AuroDur, gold plated
AuroDur, gold plated

SMP STRAIGHT PLUG PCB
LIMITED DETENT**19S101-40ML5****Electrical data**

Impedance	50 Ω
Frequency	DC to 26.5 GHz
Return loss	≥ 26 dB, DC to 6 GHz ≥ 20 dB, 6 to 12 GHz
Insertion loss	≤ 0.05 x √f(GHz) dB
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.
2002/95/EC (RoHS)	compliant

Tooling

N/A

Suitable cables

N/A

Packing

Standard	1500 pcs in tape & reel, B1500T 100 pcs in blister, B0100B
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
A. König	10/07/07	A. König	10/07/07	a00	07-0154	S. Huber-Siegl	10/07/07

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