



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

Interface

According to MIL-STD-348

Documents

N/A

Material and plating

Connector parts

Center contact
Outer contact
Dielectric

Material

Brass
Brass
PTFE

Plating

AuroDur®, gold plated
AuroDur®, gold plated

Technical Data Sheet

Rosenberger

SMP

Bulkhead Plug
Limited Detent

19S601-500L5

Electrical data

| | |
|---------------------------|----------------------------------|
| Impedance | 50 Ω |
| Frequency | DC to 26.5 GHz |
| Return loss | ≥ 20 dB, DC to 6 GHz |
| Insertion loss | ≤ 0.05 x √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. |

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 1.1 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.

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



| Draft | Date | Approved | Date | Rev. | Engineering change number | Name | Date |
|--|----------|-------------|----------|------|---------------------------|--|---------------|
| König A. | 26.09.07 | Chr. Janßen | 29.10.20 | d00 | 20-1927 | S. Huber-Siegl | 29.10.20 |
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