



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

**Interface**

According to MIL-STD-348

**Documents**

Assembly instruction 59 G2

**Material and Plating**

**Connector parts**

Center contact

Outer contact

Dielectric

Crimping ferrule

**Material**

CuBe

CuBe

PTFE

Copper

**Plating**

AuroDur®, gold plated

AuroDur®, gold plated

gold plated

**Electrical Data**

|                           |                                                          |
|---------------------------|----------------------------------------------------------|
| Impedance                 | 50 $\Omega$                                              |
| Frequency                 | DC to 26.5 GHz                                           |
| Return loss               | $\geq 20$ dB, DC to 12 GHz                               |
| Insertion loss            | $\leq 0.05 \times \sqrt{f(\text{GHz})}$ dB, DC to 12 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.                                             |

- Limitations are possible due to the used cable type -

**Mechanical Data**

|                                  |             |
|----------------------------------|-------------|
| Mating cycles                    |             |
| if mating part is smooth bore    | $\geq 1000$ |
| if mating part is limited detent | $\geq 500$  |
| if mating part is full detent    | $\geq 100$  |
| Center contact captivation       | $\geq 7$ N  |
| Engagement force                 |             |
| - smooth bore                    | 9 N max.    |
| - limited detent                 | 45 N max.   |
| - full detent                    | 68 N max.   |
| Disengagement force              |             |
| - smooth bore                    | 2.2 N min.  |
| - limited detent                 | 9 N min.    |
| - full detent                    | 22 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**

|               |            |
|---------------|------------|
| Crimping tool | 11W150-000 |
| Crimp insert  | 11W150-403 |

**Suitable Cables**

RG 316 /U-d, K02252d

**Weight**

1.1 g/pc

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                                                                                                                                               | 02.10.07 | Schmidhammer | 02.08.17 | d00  | 17-1319                                                                                    | B. Wollitzer | 02.08.17      |
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