



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

**Interface**

According to MIL-STD-348

**Documents**

Assembly instruction 19E5

**Material and plating**

**Connector parts**

Center contact  
Outer contact  
EMI-Ring  
Dielectric

**Material**

Beryllium copper  
Beryllium copper  
Spring bronze  
PTFE

**Plating**

AuroDur, gold plated  
AuroDur, gold plated  
AuroDur, gold plated

**Electrical data**

|                           |   |
|---------------------------|---|
| Impedance                 | 50 Ω  |
| Frequency                 | DC to 26.5 GHz  |
| Return loss               | ≥ 30 dB, DC to 4 GHz<br>≥ 23 dB, 4 to 12 GHz<br>≥ 20 dB, 12 to 18 GHz |
| Insertion loss            | ≤ 0.1 x √f(GHz) dB, DC to 18 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.  |

- Limitations are possible due to the used cable type -

**Mechanical data**

|                                  |            |
|----------------------------------|------------|
| Mating cycles                    |            |
| if mating part is smooth bore    | ≥ 1000     |
| if mating part is limited detent | ≥ 500      |
| if mating part is full detent    | ≥ 100      |
| Center contact captivation       | ≥ 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**

N/A

**Suitable cables**

UT 85-M17, RG 405 /U

**Weight**

Weight 0.22 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          |
|--|----------|-----------------|----------|------|--|-----------|---------------|
| Gramsamer Josef  | 04/11/09 | J_Krautenbacher | 13.07.16 | c00  | 15-1629  | I_Wallner | 13.07.16      |
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