



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

**Interface**

According to

MIL-STD-348

Mateable with GPPO™ (Gilbert Engineering Co., Inc.)  
and SSMP™ (Connectors Devices, Inc.)

**Documents**

PCB layout  
Tape & Reel

B 339g  
VG188.12500

**Material and plating**

**Connector parts**

Center contact  
Outer contact  
Dielectric

**Material**

CuBe  
Brass  
PTFE

**Plating**

AuroDur®, gold plated  
AuroDur®, gold plated

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RF\_35/05.10/6.0

**Electrical data**

|                                |  |
|--------------------------------|--|
| Impedance                      | 50 Ω   |
| Frequency                      | DC to 65 GHz   |
| Return loss                    | ≥ 35 dB @ DC to 15 GHz<br>≥ 23 dB @ 15 GHz to 25 GHz<br>≥ 20 dB @ 25 GHz to 40 GHz |
| Insertion loss                 | ≤ 0.1 x √f [GHz] dB  |
| Insulation resistance          | ≥ 5 GΩ   |
| Center contact resistance      | ≤ 6.0 mΩ   |
| Outer contact resistance       | ≤ 2.0 mΩ   |
| Working voltage (at sea level) | 325 V rms  |
| (at 70000 feet)                | 125 V rms  |

- VSWR in application depends decisive on PCB layout -

**Mechanical data**

|                            |              |
|----------------------------|--------------|
| Mating cycles              | ≥ 500        |
| Center contact captivation | ≥ 7 N        |
| Engagement force           |              |
| - Smooth bore              | 11 N typical |
| Disengagement force        |              |
| - Smooth bore              | 11 N typical |

**Environmental data**

|                            |                                      |
|----------------------------|--------------------------------------|
| Temperature range          | -55 °C to +155 °C                    |
| Thermal shock              | MIL-STD-202, Method 107, Condition B |
| Vibration                  | MIL-STD-202, Method 204, Condition A |
| Shock                      | MIL-STD-202, Method 213, Condition A |
| Moisture resistance        | MIL-STD-202, Method 106              |
| Climatic category          | IEC 60068 55/155/21                  |
| Max. soldering temperature | IEC 61760-1, +260 °C for 10 sec.     |
| RoHS                       | compliant                            |

**Tooling**

N/A

**Suitable cables**

N/A

**Weight**

Weight 1.26 g/pc

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|           |          |          |          |      |                           |               |          |
|-----------|----------|----------|----------|------|---------------------------|---------------|----------|
| Draft     | Date     | Approved | Date     | Rev. | Engineering change number | Name          | Date     |
| Rong Fang | 27.11.08 | B_Aicher | 13.01.16 | h00  | 15-1674                   | C_Schmidinger | 13.01.16 |

|  |  |  |  |  |  |  |               |
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