



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

Interface

According to

MIL-STD-348

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

Documents

PCB layout

B 203

Tape & reel packaging

VG50.2M500

Material and plating

Connector parts

- Center contact
- Outer contact
- Dielectric

Material

- CuBe
- Brass
- PTFE

Plating

- AuroDur®, gold plated
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Electrical data

Impedance	50 Ω
Frequency	DC to 65 GHz
Return loss	≥ 26 dB @ DC to 6 GHz ≥ 19 dB @ 6 GHz to 18 GHz ≥ 14 dB @ 18 GHz to 26.5 GHz
Insertion loss	≤ 0.1 x √f [GHz] dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 6 mΩ
Outer contact resistance	≤ 2 mΩ
Working voltage (at sea level)	325 V rms
(at 70000 feet)	125 V rms

Return loss in application depends decisive on PCB layout

Mechanical data

Mating cycles	≥ 100
Center contact captivation	≥ 7 N
Engagement force	19 N typical
Disengagement force	29 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 B
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 0.4 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
Inge Mühlauer	14/12/04	B_Aicher	08.12.15	e00	15-1674	C_Schmidinger	08.12.15

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