



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

Interface

According to 153QK000-000, DCA-00067752

Documents

Panel piercing B 6

Material and plating

Connector parts

Center contact
Outer contact
Dielectric

Material

Brass
Brass
PTFE

Plating

AuroDur
White bronze(e.g. Optalloy®)

Electrical data

Impedance	50 Ω
Frequency	DC to 11 GHz
Return loss	≥ 30 dB, DC to 2.5 GHz ≥ 26 dB, 2.5 to 4 GHz ≥ 20 dB, 4 to 6 GHz
Insertion loss	≤ 0.05 dB x √ f [GHz]
Insulation resistance	≥ 5 x10 ³ MΩ
Center contact resistance	≤ 1.5 mΩ
Outer contact resistance	≤ 1.5 mΩ
Test voltage (at sea level)	2500 V rms
Working voltage (at sea level)	1000 V rms
RF-leakage	≤ -90 dB, 100 MHz to 3 GHz
Power handling (at 20 °C, sea level, VSWR 1.0)	300 W @2.5 GHz (typ.)

Mechanical data

Mating cycles	min. 100
Center contact captivation: axial	≥ 28 N
radial	≥ 3 Ncm
Engagement force	30 N (typ.)
Disengagement force	30 N (typ.)

Environmental data

Temperature range	-40°C to +125°C
Thermal shock	MIL-STD-202, Meth. 107 D, Cond. B
Corrosion	MIL-STD-202, Meth. 101 D, Cond. B
Vibration	MIL-STD-202, Meth. 204 D, Cond. A
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture resistance	MIL-STD-202, Meth. 106 F
Degree of protection (mated pair)	IEC 60529, IP68 0.3 bar (interface only)
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight	11 g/pce
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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
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