



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

Interface
according to MIL-STD-348

Documents
N/A

Material and Plating		
Connector parts	Material	Plating
Center contact	CuBe	AuroDur®, gold plated
Outer contact	CuBe	AuroDur®, gold plated
Dielectric	PTFE	

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RF_35/05.10/6.0

Electrical Data

Impedance	50 Ω
Frequency	DC to 26.5 GHz
Return loss	≥ 27 dB @ DC to 3 GHz ≥ 18 dB @ 3 GHz to 18 GHz
Insertion loss	≤ 0.1 x √f [GHz] dB @ DC to 18 GHz
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 6 mΩ
Outer contact resistance	≤ 2 mΩ
Test voltage (at sea level)	500 V rms
Working voltage (at sea level)	335 V rms
Contact Current	≤ 1.2A DC

Mechanical Data

Mating cycles	
if mating part is Smooth bore, Catcher's Mitt	≥ 1000
if mating part is Limited detent	≥ 500
if mating part is Full detent	≥ 100
Center contact captivation	≥ 7 N
Engagement force	
- Smooth bore, Catcher's Mitt	≤ 9 N
- Limited detent	≤ 45 N
- Full detent	≤ 68 N
Disengagement force	
- Smooth bore, Catcher's Mitt	≥ 2.2 N
- Limited detent	≥ 9 N
- Full detent	≥ 22 N

Environmental Data

Temperature range	-65 °C to +155 °C
Rapid change of temperature	IEC 60068-2-14 (-65 °C to 155 °C, 1h dwell, 50 cycles)
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition A
Damp heat	IEC 60068-2-78 (40°C, 93% RH, 56d)
High temperature endurance	IEC 61169-1, Sub-clause 9.6 (+155 °C, 1000 hours)
RoHS	compliant

Tooling

N/A

Suitable Cables

N/A

Weight

Weight 0.9 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
B. Aicher	11.11.13	J_Krautenbacher	14.07.16	c00	15-1629	I_Wallner	14.07.16

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