



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

Interface

According to IEC 61169-4, EN 122190, DIN 47223

Documents

Panel piercing B 236

Material and Plating

Connector parts

Center contact
Outer contact
Body
Dielectric

Material

Spring bronze
Brass
Brass
PTFE

Plating

Silver, 3-6 µm
White bronze(e.g. Optalloy®)
White bronze(e.g. Optalloy®)

Electrical Data

Impedance	50 Ω
Frequency	DC to 7.5 GHz
Return loss	≥ 35 dB, DC to 1 GHz
	≥ 30 dB, 1 to 2 GHz
	≥ 25 dB, 2 to 8.3 GHz
Insertion loss	≤ 0.05 dB
Insulation resistance	≥ 10 ⁴ MΩ
Center contact resistance	≤ 0.4 mΩ
Outer contact resistance	≤ 1.5 mΩ
Working voltage (at sea level)	500 V rms, 50 Hz
Power handling (at 20 °C, sea level, VSWR 1.0)	1800 W @ 1 GHz
	800 W @ 4 GHz
Intermodulation (3 rd order)	≤ -117 dBm @ 2 x 20 W

Mechanical Data

Mating cycles	min. 500
Coupling torque (recommended)	25 to 30 Nm
Proof torque	max. 35 Nm

Environmental Data

Temperature range	-45°C to +85°C
Rapid change of temperature	DIN EN 122190, clause 4.6.7
Corrosion salt mist	DIN EN 122190, clause 4.6.10
Vibration	DIN EN 122190, clause 4.6.3
Damp heat	DIN EN 122190, clause 4.6.6
Climatic tests	DIN EN 122190, clause 4.6.5 (45/85/56)
RoHS	compliant

Tooling

N/A

Suitable Cables

N/A

Weight

78.5 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
Rong Fang	28.01.10	A. Gasteiger	21.03.16	d00	16-0004	B. Wollitzer	21.03.16

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