



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 75
Assembly instruction 60 X02

Material and plating

Connector parts

Center contact jack side
Center contact plug side
Outer contact
Body
Dielectric
Gasket

Material

Spring bronze
Brass
Brass
Brass
PTFE
Silicone

Plating

Silver, 3-6 µm
Silver, 3-6 µm
Flash white bronze over silver(e.g. Optargen®)
Flash white bronze over silver(e.g. Optargen®)

Electrical data

Impedance	50 Ω
Operating frequency	800 to 2500 MHz
Return Loss	≥ 26 dB, 800 to 960 MHz ≥ 21 dB, 960 to 1700 MHz ≥ 26 dB, 1700 to 2400 MHz ≥ 23 dB, 2400 to 2500 MHz
Insertion Loss	≤ 0.1 dB
Center contact resistance	< 0.4 mΩ
Outer contact resistance	< 1.5 mΩ
Power handling (at 20 °C, sea level, VSWR 1.0)	1.8 KW @ 1 GHz
RF-leakage	≥ 128 dB @ 1 GHz
Intermodulation (3 rd Order)	< -115 dBm @ 2 x 20 W
Nominal impulse discharge current	mult. 40 kA, Wave 10/350 μS mult. 100 kA, Wave 8/20 μS
Residual voltage	< 110 V @ 20 kA, Wave 8/20 μS

Mechanical data

Mating cycles	min. 500
Coupling nut retention	≥ 1000 N
Center contact captivation: axial	≥ 200 N
radial	≥ 2 Ncm
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	IEC 60068-2-14 Test Na
Corrosion salt mist	IEC 60068-2-11 Test Ka
Vibration	IEC 60068-2-6 Test Fc
Shock	IEC 60068-2-27 Test Ea
Climatic class	IEC 60068-1 (45/85/56)
Cold	IEC 60068-2-1 Test A
Dry heat	IEC 60068-2-2 Test B
Damp heat (steady state)	IEC 60068-2-3 Test Ca
Degree of protection (mated pair)	IEC 60529, IP68 2.5 bar, mated condition
RoHS	compliant

Weight

Weight	510 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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