



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

Interface

According to IEC 60169-15; EN 122110; MIL-STD-348A, Fig. 310

Documents

N/A

Material and plating

Connector parts

	Material	Plating
Center contact	Beryllium copper	Gold, min. 1.27 µm, over chemical nickel
Outer contact	Stainless steel	Passivated
Dielectric	PTFE	
Gasket	Silicone	
Coupling nut	Stainless steel	Passivated

ADAPTOR
SMA PLUG – JACK**32S221-K00S3****Electrical data**

Impedance	50 Ω
Frequency	DC to 18 GHz
VSWR	≤ 1.05 + 0.005 x f [GHz], DC to 8 GHz ≤ 1.25 8 to 18 GHz
Insertion loss	≤ 0.04 x √f(GHz) dB
Insulation resistance	≥ 5 x 10 ³ MΩ
Center contact resistance	≤ 3 mΩ
Outer contact resistance	≤ 2 mΩ
Test voltage	1000 V rms
Working voltage	480 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	≤ 200 W @ 2 GHz
RF-leakage	≥ 100 dB up to 1 GHz

Mechanical data

Mating cycles	min. 500
Coupling nut retention	≥ 270 N
Center contact captivation: axial	≥ 27 N
radial	≥ 3 Ncm
Coupling test torque	max. 1.7 Nm
Recommended torque	0.8 Nm to 1.1 Nm

Environmental data

Temperature range	-65°C to +165°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. D
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture resistance	MIL-STD-202, Meth. 106

Tooling

N/A

Suitable cables

N/A

Packing

Standard	1 pce in bag
Weight	5.93 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
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