



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

Interface

According to MCX side: CECC 22 220, IEC 60169-36
N side: IEC 60169-16, MIL-PRF-39012, CECC 22210

Documents

N/A

Material and plating

Connector parts

Center contact
Outer contact MCX side
Outer contact N side
Dielectric

Material

Beryllium copper
Brass
Brass
PTFE

Plating

AuroDur, gold plated
AuroDur, gold plated
Nickel, 2.5-5 µm

ADAPTOR
mcx JACK – n 50 Ω plug

29K153-S00Z5

Electrical data

Impedance	50 Ω
Frequency	DC to 6 GHz
Return loss	≥ 20 dB, DC to 1 GHz ≥ 17 dB, 1 to 3 GHz
Insertion loss	≤ 0.05 x √f(GHz) dB, DC to 3 GHz
Insulation resistance	≥ 1 GΩ
Center contact resistance	≤ 5.0 mΩ, MCX side; ≤ 1 mΩ, N side
Outer contact resistance	≤ 2.5 mΩ, MCX side; ≤ 0.25 mΩ, N side
Test voltage	750 V rms
Working voltage	335 V rms
Contact Current	1.5A DC max.

Mechanical data

	MCX side	N side
Mating cycles	≥ 500	min. 500
Coupling nut retention	N/A	≥ 450 N
Center contact captivation: axial	≥ 28 N	≥ 28 N
Engagement force	≤ 25 N	N/A
Disengagement force	8 N min. to 20 N max.	N/A
Coupling test torque	N/A	max. 1.7 Nm
Recommended torque	N/A	0.7 Nm to 1.1 Nm

Environmental data

Temperature range	-55°C to +155°C
Thermal shock	CECC 22 220, Chapter 4.6.7
Vibration	CECC 22 220, Chapter 4.6.3
Corrosion	CECC 22 220, Chapter 4.6.10
Moisture resistance	CECC 22 220, Chapter 4.6.6
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight 26.5 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
Inge Mühlauer	30/08/04	Sa. Krautenbacher	13.03.14	d00	14-0352	T. Krojer	13.03.14
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de					Tel.: +49 8684 18-0 Fax: +49 8684 18-499 email: info@rosenberger.de		Page 2 / 2