



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

Interface

According to CECC 22220, IEC 61169-36

Documents

PCB layout B 30

Material and plating

Connector parts

Center contact
Outer contact
Dielectric

Material

CuBe
Brass
PTFE

Plating

AuroDur®, gold plated
AuroDur®, gold plated

Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG

RF_35/09.14/6.2

Technical Data Sheet

Rosenberger

MCX

Straight Jack PCB

29K101-400L5

Electrical data

Impedance	50 Ω
Frequency	DC to 6 GHz
Return loss	≥ 21 dB, DC to 6 GHz
Insertion loss	≤ 0.05 x √f(GHz) dB
Insulation resistance	≥ 1 GΩ
Center contact resistance	≤ 5.0 mΩ
Outer contact resistance	≤ 2.5 mΩ
Test voltage	750 V rms
Working voltage	335 V rms
Contact Current	1.5A DC max.

- VSWR in application depends decisive on PCB layout -

Mechanical data

Mating cycles	≥ 500
Center contact captivation	≥ 10 N
Engagement force	≤ 25 N
Disengagement force	8 N min. to 20 N max.

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
Max. soldering temperature	IEC 61760-1, +260°C for 10 sec.
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight 0.8 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.

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Inge Mühlauer	30.08.04	Chr. Janßen	03.11.20	f00	20-1927	S. Huber-Siegl	03.11.20
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de				Tel. : +49 8684 18-0 Email : info@rosenberger.de			Page 2 / 2