



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  
Beryllium copper  
Brass  
PTFE

**Plating**

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

**ADAPTOR**  
mcx plug – N JACK**29S153-K00Z5****Electrical data**

Impedance	50 $\Omega$	
Frequency	DC to 6 GHz	
Return loss	$\geq 30$ dB, DC to 2 GHz	
	$\geq 28$ dB, 2 to 4 GHz	
	$\geq 18$ dB, 4 to 6 GHz	
Insertion loss	$\leq 0.05 \times \sqrt{f(\text{GHz})}$ dB	
Insulation resistance	$\geq 1$ G $\Omega$	
Center contact resistance	$\leq 5.0$ m $\Omega$ , MCX side;	$\leq 1$ m $\Omega$ , N side
Outer contact resistance	$\leq 2.5$ m $\Omega$ , MCX side;	$\leq 0.25$ m $\Omega$ , 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	$\geq 500$	min. 500
Center contact captivation: axial	$\geq 28$ N	$\geq 28$ N
Engagement force	$\leq 25$ 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 25.8 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.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Inge Mühlauer	30/08/04	Sa. Krautenbacher	13.03.14	e00	14-0352	T. Krojer	13.03.14
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany <a href="http://www.rosenberger.de">www.rosenberger.de</a>					Tel.: +49 8684 18-0 Fax: +49 8684 18-499 email: <a href="mailto:info@rosenberger.de">info@rosenberger.de</a>		Page 2 / 2

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