



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

**Interface**

According to	MCX side:	CECC 22 220, IEC 60169-36
	BNC side:	IEC 60169-8, MIL-PRF-39012, CECC 22120

**Documents**

Panel piercing	B 2
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**Material and plating**

**Connector parts**

	<b>Material</b>	<b>Plating</b>
Center contact	Beryllium copper	Gold, min. 1.27 $\mu\text{m}$ , over chemical nickel
Outer contact MCX side	Brass	Nickel, 2.5-5 $\mu\text{m}$
Outer contact BNC side	Brass	Nickel, 2.5-5 $\mu\text{m}$
Dielectric	PTFE	

ADAPTOR  
MCX JACK – BNC 50 Ω JACK

**29K551-K00A3**

**Electrical data**

Impedance	50 Ω	
Frequency	DC to 6 GHz	
Return loss	≥ 26 dB, DC to 2 GHz	
	≥ 20 dB, 2 to 4 GHz	
	≥ 18 dB, 4 to 6 GHz	
Insertion loss	≤ 0.05 x √f(GHz) dB	
Insulation resistance	≥ 1 GΩ	
Center contact resistance	≤ 5.0 mΩ, MCX side;	≤ 1.5 mΩ, BNC side
Outer contact resistance	≤ 2.5 mΩ, MCX side;	≤ 1 mΩ, BNC side
Test voltage	750 V rms	
Working voltage	335 V rms	
Contact Current	1.5A DC max.	

**Mechanical data**

	MCX side	BNC side
Mating cycles	≥ 500	min. 500
Center contact captivation: axial	≥ 27 N	≥ 27 N
Engagement force	≤ 25 N	N/A
Disengagement force	8 N min. to 20 N max.	N/A

**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

**Tooling**

N/A

**Suitable cables**

N/A

**Packing**

Standard	1 pce in bag
Weight	11.9 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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