



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

**Interface**

According to	SMC side:	IEC 60169-9, CECC 22140, US MIL-C-39012
	SMA side:	IEC 60169-15; EN 122110; MIL-STD-348A, Fig. 310

**Documents**

N/A

**Material and plating**

**Connector parts**

Center contact  
Outer contact SMC side  
Outer contact SMA side  
Dielectric  
Coupling nut SMC

**Material**

CuBe or equivalent  
Brass  
CuBe or equivalent  
PTFE  
Brass

**Plating**

Auro Dur, gold plated  
Auro Dur, gold plated  
Auro Dur, gold plated  
Gold, 0.1 µm min.

ADAPTOR  
SMC JACK – SMA JACK**39K132-K00L5****Electrical data**

Impedance	50 $\Omega$
Frequency	DC to 6 GHz
Return loss	$\geq 35$ dB, DC to 1 GHz $\geq 30$ dB, 1 to 3 GHz $\geq 20$ dB, 3 to 6 GHz
Insertion loss	$\leq 0.05 \sqrt{f(\text{GHz})}$ x dB
Insulation resistance	$\geq 1 \times 10^3$ M $\Omega$
Center contact resistance	$\leq 5$ m $\Omega$ , SMC side $\leq 3$ m $\Omega$ , SMA side
Outer contact resistance	$\leq 2.5$ m $\Omega$ , SMC side $\leq 2$ m $\Omega$ , SMA side
Test voltage	750 V rms, 50 Hz, at sea level
Working voltage	$\leq 250$ V rms, 50 Hz, at sea level
RF-leakage	$\geq 90$ dB up to 1 GHz

**Mechanical data**

	SMC side	SMA side
Mating cycles	min. 500	min. 500
Coupling nut retention	$\geq 150$ N	N/A
Coupling test torque	max. 0.71 Nm	max. 1.7 Nm
Recommended torque	0.25 Nm to 0.35 Nm	0.8 Nm to 1.1 Nm
Center contact captivation: axial	$\geq 10$ N	$\geq 10$ N

**Environmental data**

Temperature range	-55°C to +155°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. D
Moisture resistance	MIL-STD-202, Meth. 106
Corrosion	MIL-STD-202, Meth. 101, Cond B
RoHS	compliant

**Tooling**

N/A

**Suitable cables**

N/A

**Weight**

Weight 5.8 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	21/12/04	Sa. Krautenbacher	17.03.14	e00	14-0352	T. Krojer	17.03.14
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