



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

**Interface**

According to	SMB side:	IEC 60169-10, CECC 22130, 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 SMB side  
Outer contact SMA side  
Dielectric

**Material**

Beryllium copper  
Beryllium copper  
Beryllium copper or equivalent  
PTFE

**Plating**

AuroDur, gold plated  
AuroDur, gold plated  
AuroDur, gold plated

**ADAPTOR  
SMB JACK – SMA JACK****59K132-K00L5****Electrical data**

Impedance	50 $\Omega$	
Frequency	DC to 4 GHz	
Return loss	$\geq 35$ dB, DC to 1 GHz $\geq 27$ dB, 1 to 4 GHz	
Insertion loss	$\leq 0.05 \times \sqrt{f(\text{GHz})}$ dB	
Insulation resistance	$\geq 1 \times 10^3$ M $\Omega$	
Center contact resistance	$\leq 5$ m $\Omega$ , SMB side	$\leq 3$ m $\Omega$ , SMA side
Outer contact resistance	$\leq 2.5$ m $\Omega$ , SMB 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	
Contact current	1.5 A DC typ.	
RF-leakage	$\geq 55$ dB up to 1 GHz	

**Mechanical data**

	SMB side	SMA side
Mating cycles	min. 500	min. 500
Coupling test torque	N/A	max. 1.7 Nm
Recommended torque	N/A	0.8 Nm to 1.1 Nm
Center contact captivation: axial	$\geq 10$ N	$\geq 10$ N
Engagement force	$\leq 63$ N	N/A
Disengagement force	8 N min. to 63 N max.	N/A

**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. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Moisture resistance	MIL-STD-202, Meth. 106
RoHS	compliant

**Tooling**

N/A

**Suitable cables**

N/A

**Weight**

Weight 5.9 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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