



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

**Interface**

Longwipe- SMP  
SMA according to

Spring loaded center – and outer contact  
IEC 60169-15; EN 122110; MIL-STD-348A, Fig. 310

**Documents**

Ericsson Product specification  
Ericsson Quality specification

1301-RPT 501 38 Uen  
105 63-2031 Uen

**Material and plating**

**Connector parts**

Center contacts  
Outer contact SMP side  
Outer contact SMA side  
Body  
Spring  
Dielectric

**Material**

CuBe  
Stainless steel  
Brass  
Brass  
Stainless steel  
PTFE

**Plating**

AuroDur®, gold plated  
Passivated  
Flash white bronze over silver(e.g. Optargen®)  
Flash white bronze over silver(e.g. Optargen®)  
Passivated

**Electrical data**

Impedance	50 Ω
Frequency	DC to 6 GHz
Return loss	≥ 23 dB, DC to 3 GHz ≥ 20 dB, 3 to 6 GHz
Insertion loss	≤ 0.05 x √f(GHz) dB, DC to 6 GHz
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 8 mΩ, Longwipe- SMP side; ≤ 3 mΩ, SMA side
Outer contact resistance	≤ 4 mΩ, Longwipe- SMP side; ≤ 2 mΩ, SMA side
Test voltage	500 V rms
Working voltage	335 V rms

**Mechanical data**

Mating cycles	Longwipe- SMP side	SMA side
	≥ 1000	≥ 500
Center contact captivation: axial	≥ 15 N	
Center contact	≤ 2 N at 1.4mm spring travel	
Outer contact	≤ 8 N at 2mm spring travel	
Radial misalignement	≤ 0.35mm	

**Environmental data**

Temperature range	-40°C to +85°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition A
Moisture resistance 2002/95/EC (RoHS)	MIL-STD-202, Method 106 compliant

**Tooling**

N/A

**Suitable cables**

N/A

**Weight**

Weight 13.8 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
Weidensp. R.	07/07/10	Sa. Krautenbacher	11.03.14	c00	14-0352	T. Krojer	11.03.14
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