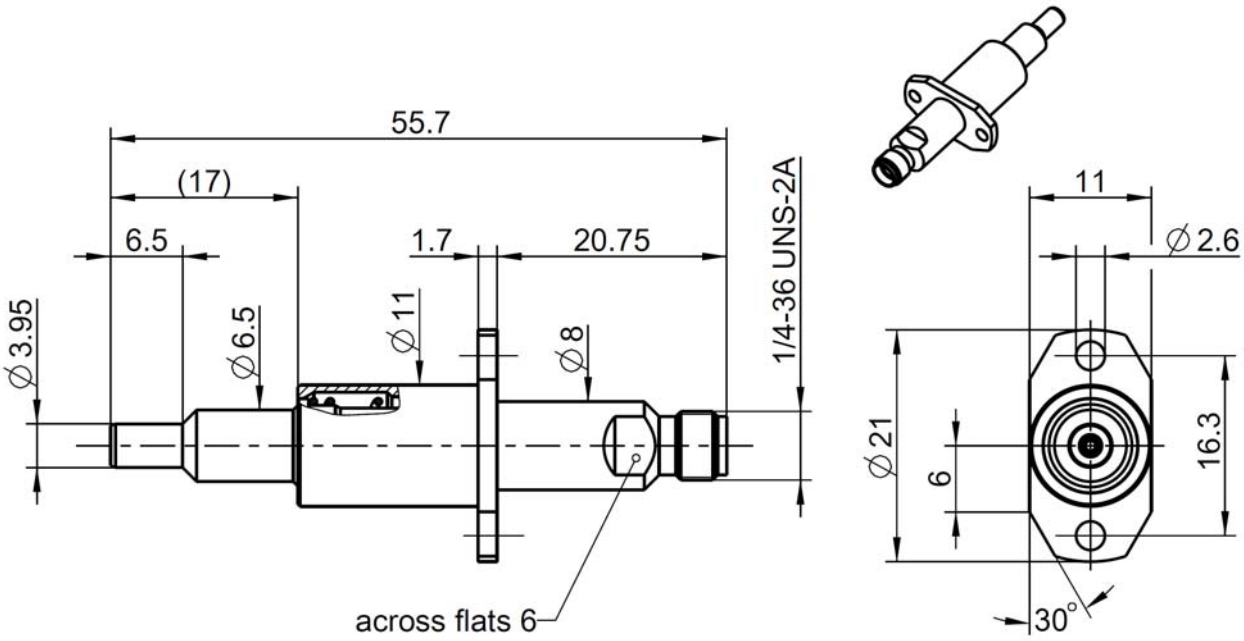
TECHNICAL DATA SHEET

Rosenberger

ADAPTOR
FLOATING P-SMP JACK – SMA

119K732-K0BS5



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

Interface

P- SMP	Spring loaded center– and outer contact
SMA according to	IEC 60169-15; EN 122110; MIL-STD-348

Documents

N/A

Material and Plating

Connector parts	**Material**	**Plating**
Center contacts	Beryllium copper	AuroDur®, gold plated
Outer contact P-SMP side	Stainless steel	Passivated
Outer contact SMA side	Brass	Flash white bronze over silver(e.g. Optargen®)
Body	Brass	Flash white bronze over silver(e.g. Optargen®)
Spring	Stainless steel	Passivated
Dielectric	PTFE	

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ADAPTOR FLOATING P-SMP JACK – SMA	**119K732-K0BS5**

Electrical Data

Impedance	50 Ω
Frequency	DC to 6 GHz
Return loss	≥ 28 dB, DC to 3 GHz ≥ 18 dB, 3 to 6 GHz
Insertion loss	≤ 0.08 x $\sqrt{f(GHz)}$ dB, DC to 6 GHz
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 3 mΩ
Outer contact resistance	≤ 2 mΩ
Test voltage	1000 V rms
Working voltage	480 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	≤ 200 W @ 2.2 GHz

Mechanical Data

	P-SMP side	SMA side
Mating cycles	≥ 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	
Permissible angular misalignment	4°	
Working travel	recommended: 4.3mm maximum: 6.3mm	

Environmental Data

Temperature range	-40°C to +85°C
Rapid change of temperature	IEC 60169-1, Sub-clause 16.4 (-40°C to +85°C)
Vibration	IEC 60068-2-64 random
Shock	IEC 60068-2-27 (half-sine)
High temperature endurance	IEC 60169-1, Sub-clause 18 (+85°C, 1000 hours)
RoHS	compliant

Weight

16,8 g/pc

Draft	Date	Approved	Date
Huppenberger	15.12.10	S_Mühlbacher	15.02.16

Rev.	Engineering change number	Name	Date
b00	16-0004	J_Krautenbacher	15.02.16

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