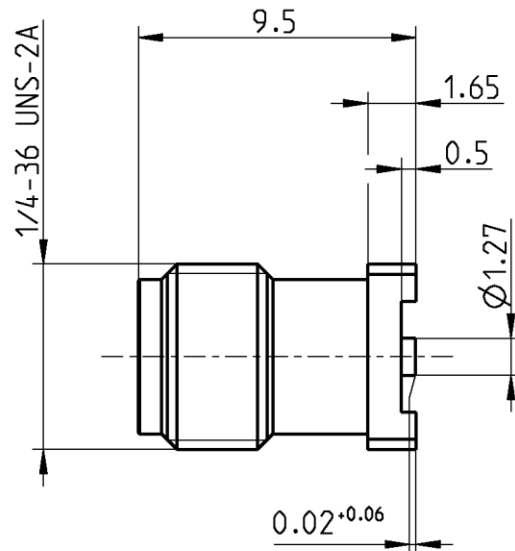
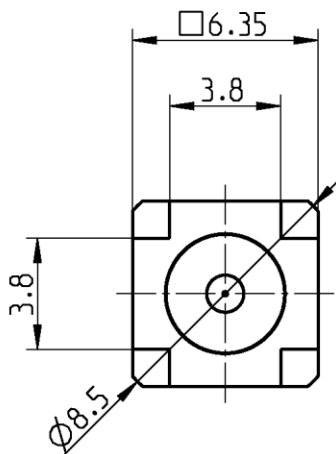




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to

IEC 60169-15, EN 122110, MIL-STD-348A, Fig. 310

Documents

PCB layout

B 163

Tape & reel packaging

VG08.50000

Material and plating

Connector parts

Center contact

Material

CuBe

Outer contact

Brass

Dielectric

PTFE

Plating

AuroDur®, gold plated

AuroDur®, gold plated

Technical Data Sheet				Rosenberger			
SMA		Straight Jack PCB		32K10A-40ML5			
Electrical data							
Impedance		50 Ω					
Frequency		DC to 12.4 GHz					
VSWR		≤ 1.05 + 0.005 x f [GHz], DC to 8 GHz ≤ 1.30, 8 to 12.4 GHz					
Insertion loss		≤ 0.04 x √f(GHz) dB					
Insulation resistance		≥ 5 x10 ³ MΩ					
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 GHz; ≤ 100 W @ 10 GHz					
RF-leakage		≥ 100 dB up to 1 GHz					
- Connector only, VSWR in application depends decisive on PCB layout -							
Mechanical data							
Mating cycles		min. 100					
Center contact captivation: axial		≥ 20 N					
radial		≥ 1 Ncm					
Coupling test torque		max. 0.6 Nm					
Recommended torque		0.5 Nm					
Environmental data							
Temperature range		-55°C to +155°C					
Thermal shock		MIL-STD-202, Meth. 107, Cond. B					
Corrosion		MIL-STD-202, Meth. 101, Cond. B					
Vibration		MIL-STD-202, Meth. 204, Cond. D					
Shock		MIL-STD-202, Meth. 213, Cond. I					
Moisture resistance		MIL-STD-202, Meth. 106					
Max. soldering temperature		IEC 61760-1, +260°C for 10 sec.					
RoHS		compliant					
Tooling							
		N/A					
Suitable cables							
		N/A					
Weight							
Weight		1.19 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. For the installation of the electrotechnical equipment, particular electrotechnical expertise is required. 							
Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Rong Fang	22.04.04	Chr. Janßen	04.11.20	h00	20-1927	S. Huber-Siegl	04.11.20
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