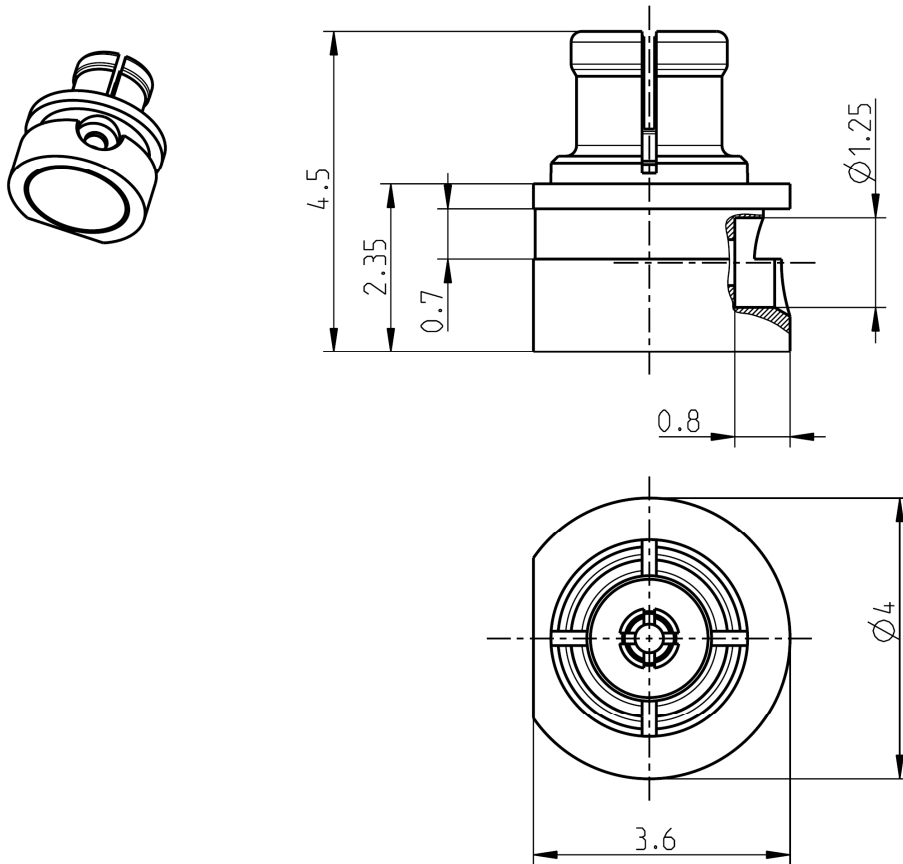




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to

MIL-STD-348

Mateable with GPPO™ (Gilbert Engineering Co., Inc.)
and SSMP™ (Connectors Devices, Inc.)

Documents

Assembly instruction

18 B3

Material and plating

Connector parts

Center contact
Outer contact
Press in cover
Dielectric

Material

CuBe
CuBe
Brass
PTFE

Plating

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

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RF_35/05.10/6.0

Technical Data Sheet				Rosenberger			
Mini-SMP		RIGHT ANGLE JACK		18K203-270L5			
Electrical data Impedance50 Ω FrequencyDC to 18 GHz Return loss≥ 26 dB, DC to 6 GHz ≥ 20 dB, 6 to 12 GHz ≥ 12 dB, 12 to 18 GHz Insertion loss≤ 0.03 x √f(GHz) dB Insulation resistance≥ 5 GΩ Center contact resistance≤ 6.0 mΩ Outer contact resistance≤ 2.0 mΩ Working voltage (at sea level)325 V rmsk (at 70000 feet)125 V rms - Limitations are possible due to the used cable type - Mechanical data Mating cycles if mating part is smooth bore≥ 500 if mating part is full detent≥ 100 Center contact captivation≥ 7 N Engagement force - smooth bore11 N typical - full detent19 N typical Disengagement force - smooth bore11 N typical - full detent29 N typical Environmental data Temperature range-65°C to +155°C Thermal shockMIL-STD-202, Method 107, Condition B VibrationMIL-STD-202, Method 204, Condition A ShockMIL-STD-202, Method 213, Condition A Moisture resistanceMIL-STD-202, Method 106 RoHScompliant Tooling N/A Suitable cables UT 47, RTK-FS047, RTK 047 Weight Weight0.2 g/pce							
Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Armin Maiwälder	16/12/09	A. Ofensberger	15.12.16	d01	16-0004	M. Knoll	15.12.16
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de				Tel. : +49 8684 18-0 Email : info@rosenberger.de			Page 2 / 2