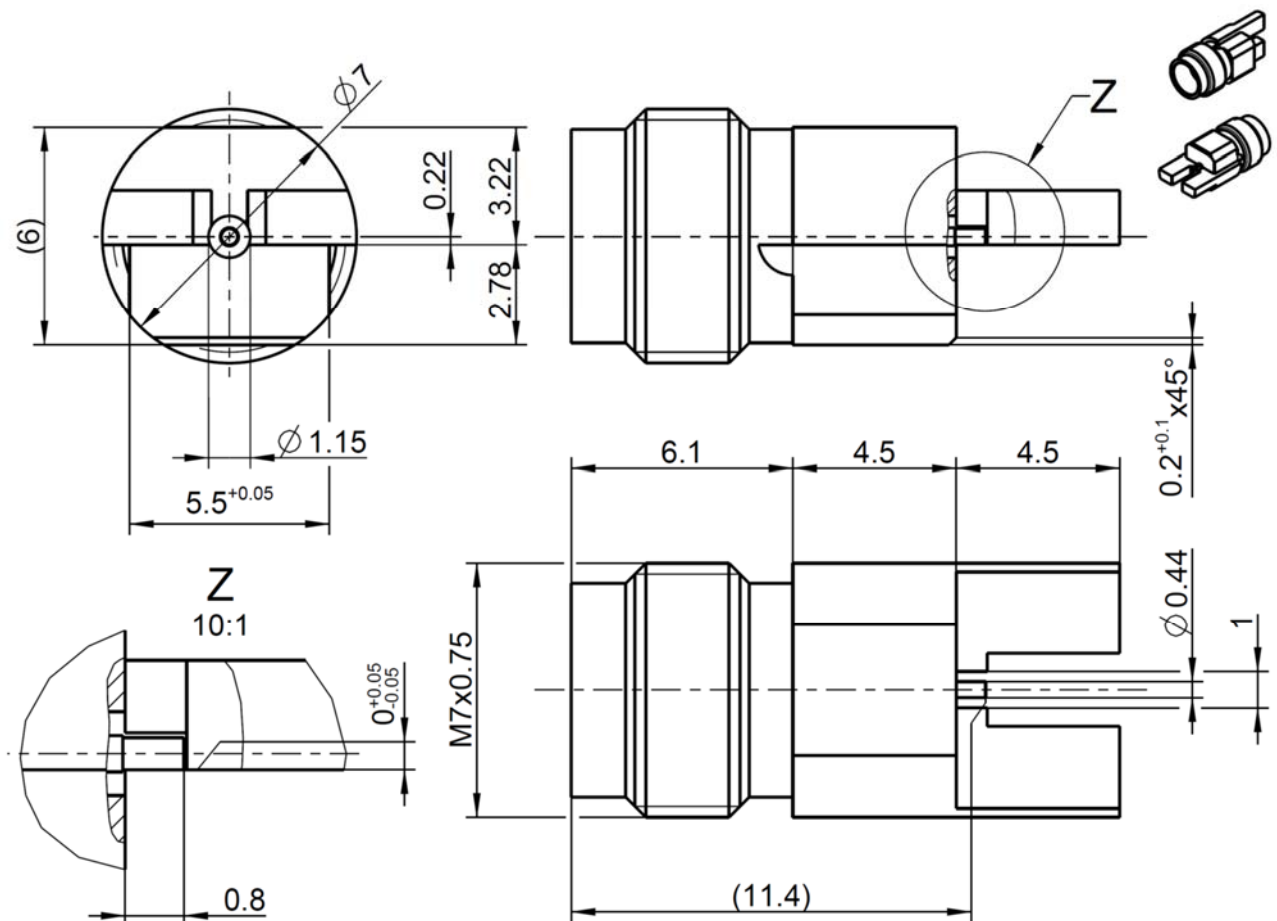




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to
Mechanically compatible with

IEC 61169-32
RPC-2.40

Documents

PCB layout

B 519

Material and plating

Connector parts

Center contact
Outer contact
Dielectric 1
Dielectric 2

Material

CuBe
CuBe or equiv.
PEEK
PTFE

Plating

Gold, min. 1.27 µm, over chemical nickel
AuroDur®, gold plated

Technical Data Sheet				Rosenberger			
RPC-1.85		Right Angle Jack PCB		08K246-40ML3			
Electrical data Impedance Frequency Return loss Insertion loss Insulation resistance Center contact resistance Outer contact resistance Test voltage Working voltage RF-leakage 50 Ω DC to 70 GHz ≥ 20 dB, DC to 40 GHz ≥ 14 dB, 40 GHz to 50 GHz ≥ 8 dB, 50 GHz to 70 GHz ≤ 0.05 x √f(GHz) dB ≥ 5 GΩ ≤ 4.0 mΩ ≤ 2.5 mΩ 500 V rms 150 V rms ≥ 100 dB up to 1 GHz - Connector only, VSWR in application depends decisive on PCB layout -							
Mechanical data Mating cycles Center contact captivation: axial Coupling test torque Recommended torque ≥ 500 ≥ 20 N 1.65 Nm 0.80 Nm to 1.10 Nm							
Environmental data Temperature range Thermal shock Corrosion Vibration Shock Moisture resistance Max. soldering temperature RoHS -55°C to +125°C IEC 61169-1, Subclause 9.4.4 IEC 61169-1, Subclause 9.4.6 IEC 61169-1, Subclause 9.3.3 IEC 61169-1, Subclause 9.3.14 IEC 61169-1, Subclause 9.4.3 IEC 61760-1, +260°C for 10 sec. compliant							
Tooling N/A							
Suitable cables N/A							
Weight 2.7 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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