



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

Interface

According to

IEC 61169-4, EN 122190, DIN 47223

Documents

N/A

Material and plating

Connector parts

Center contact
Outer contact
Dielectric
Substrate

Material

Beryllium copper
Brass
PPE
Al₂O₃

Plating

Silver, 3-6 µm
Flash white bronze over silver(e.g. Optargen®)

Technical Data Sheet

Rosenberger

7-16

Termination
Jack 1 Watt

60K17R-001N1

Electrical data

Impedance	50 Ω
Frequency	DC to 8 GHz
Return loss	≥ 34.1 dB, DC to 2 GHz ≥ 26.0 dB, 2 GHz to 8 GHz
Power handling (at 25 °C, sea level)	≤ 1 W, derated linearity by 0.01 W/K

Mechanical data

Mating cycles	≥ 500
Center contact captivation	≥ 200 N
Coupling torque (recommended)	25 to 30 Nm
Proof torque	≤ 35 Nm

Environmental data

Temperature range	-40 °C to +85 °C
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Packing

Standard	1 pce in bag
Weight	140 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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