



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

Interface

According to

QLF® (Quick Lock Formula)

Rosenberger is an authorized QLF® manufacturer

Documents

N/A

Material and plating

Connector parts

- Center conductor
- Outer conductor
- Dielectric
- Substrate

Material

- Beryllium copper
- Brass
- PTFE
- Al₂O₃

Plating

- Gold, min. 1.27 µm, over nickel
- White bronze(e.g. Optalloy®)

Technical Data Sheet**Rosenberger**

QMA

Termination
Jack 1 Watt**28K1ER-001N3****Electrical data**

Impedance 50 Ω
 Frequency DC to 12.4 GHz
 Return loss ≥ 29 dB, DC to 1 GHz
 ≥ 21 dB, 1 GHz to 2.5 GHz
 ≥ 17 dB, 2.5 GHz to 12.4 GHz

Power handling (at 25 °C, sea level) 1 W at 2.5 GHz, derated linearity by 0.01 W/K

Mechanical data

Mating cycles ≥ 100
 Engagement force 27 N (typ.)
 Disengagement force 20 N (typ.)
 Retention force for interface ≥ 60 N

Environmental data

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

Tooling

N/A

Suitable cables

N/A

Packing

Standard 100 pcs in bag
 Weight 1.8 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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