



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 |
|--|----------|---------------|----------|------|---------------------------|---|---------------|
| Kerstin Herzog | 12.07.05 | Markus Müller | 22.05.18 | c00 | 18-1027 | Marion Striegler | 22.05.18 |
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