



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  
Al<sub>2</sub>O<sub>3</sub>

**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  $\Omega$   
Frequency DC to 12.4 GHz  
Return loss  $\geq 29$  dB, DC to 1 GHz  
 $\geq 21$  dB, 1 GHz to 2.5 GHz  
 $\geq 17$  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  $\geq 100$   
Engagement force 27 N (typ.)  
Disengagement force 20 N (typ.)  
Retention force for interface  $\geq 60$  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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