



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

Interface

According to Rosenberger 28K000-000, series QMA
Rosenberger is an authorised QLF® manufacturer

Documents

N/A

Material and plating

Connector parts

Center contact
Outer contact
Dielectric
Substrate

Material

Beryllium copper
Brass
PTFE
Al₂O₃

Plating

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

Electrical data

Impedance	50 Ω
Frequency	DC to 12.4 GHz
Return loss	≥ 29 dB, DC to 1 GHz ≥ 21 dB, 1 to 2.5 GHz ≥ 17 dB, 2.5 to 12.4 GHz
Center contact resistance	≤ 3.0 mΩ
Outer contact resistance	≤ 2.5 mΩ
Impulse Power (1μs, 1%)	100 Watts at 25°C environment temperature
Power handling	1 W at 25°C derated linearity by 0.01 W/K

Mechanical data

Mating cycles	≥ 100
Engagement force	25 N
Disengagement force	20 N
Interface retention force	≥ 60 N

Environmental data

Temperature range	-40°C to +85°C
2002/95/EC (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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