



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

Interface

According to

Rosenberger 28S000-000, series QMA
Rosenberger is an authorised QLF® manufacturer

Documents

N/A

Material and plating

Connector parts

Center contact
Outer contact
Body
Dielectric
Unlocking sleeve
Substrate

Material

Brass
Spring bronze
Brass
PTFE
Brass
AL₂O₃

Plating

AuroDur®, gold plated
White bronze(e.g. Optalloy®)
Flash white bronze over silver(e.g. Optargen®)
White bronze(e.g. Optalloy®)

QMA

Termination
Plug 1 Watt

28S1ER-001N5

Electrical data

Impedance 50 Ω
 Frequency DC to 18 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 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 min. 100
 Engagement force 25 N
 Disengagement force 20 N
 Retention force for interface 60 N min.

Environmental data

Temperature range -40°C to +85°C
 Storage temperature -40°C to +85°C
 Thermal shock IEC 60169-1 16.4 (-40 / +85°C)
 Corrosion IEC 60169-1 16.7 (48 hrs)
 Vibration IEC 60068-2-64 random
 Damp heat, steady state IEC 60169-1 16.3 (96 hrs)
 RoHS compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight 5.6 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
F. Schmidhammer	15/10/07	F_Schmidhammer	10.08.16	g00	16-1350	C_Schmidinger	10.08.16
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