



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

Interface

According to IEC 60169-16, MIL-PRF-39012, CECC 22210

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®)

N 50 Ω TERMINATION
JACK 1 WATT

53K1RR-001N3

Electrical data

Impedance 50 Ω
 Frequency DC to 4 GHz
 Return loss ≥ 23.1 dB, DC to 4 GHz
 Center contact resistance ≤ 1 mΩ
 Outer contact resistance ≤ 0.25 mΩ
 Power handling 1 W at 25°C
 derated linearity to 0 Watts at 125°C

Mechanical data

Mating cycles min. 500
 Center contact captivation ≥ 28 N
 Coupling test torque max. 1.7 Nm
 Recommended torque 0.7 Nm to 1.1 Nm

Environmental data

Temperature range -65°C to +165°C

Tooling

N/A

Suitable cables

N/A

Packing

Standard 60 pcs in blister
 Weight 20 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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