



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

Interface

According to IEC 61169-16

Documents

N/A

Material and plating

Connector parts

Center conductor
Outer conductor
Heatsink
Dielectric
Substrate

Material

Beryllium copper
Brass
Aluminum
PTFE
AlN

Plating

Gold, min. 1.27 μm, over nickel
Flash white bronze over silver(e.g. Optargen®)
Black anodized

Technical Data Sheet

Rosenberger

N 50 Ω

Termination
Jack 5 Watt

53K15R-005N3

Electrical data

Impedance	50 Ω
Frequency	DC to 3 GHz
Return loss	≥ 20.8 dB, DC to 3 GHz
Power handling (at 25 °C, sea level)	≤ 5 W, derated linearity by 0.05 W/K

Mechanical data

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

Environmental data

Temperature range	-65 °C to +125 °C
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Packing

Standard	1 pce in bag
Weight	45 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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