



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  $\Omega$

Termination  
Jack 5 Watt

**53K15R-005N3**

## Electrical data

Impedance	50 $\Omega$
Frequency	DC to 3 GHz
Return loss	$\geq 20.8$ dB, DC to 3 GHz
Power handling (at 25 °C, sea level)	$\leq 5$ W, derated linearity by 0.05 W/K

## Mechanical data

Mating cycles	$\geq 500$
Center contact captivation	$\geq 28$ N
Coupling test torque	$\leq 1.7$ 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
Kerstin Herzog	21.07.05	Markus Müller	20.07.18	b00	18-1027	Marion Striegler	20.07.18
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de				Tel. : +49 8684 18-0 Email : info@rosenberger.de			Page 2 / 2