



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
- Coupling nut
- Heatsinks
- Dielectric
- Substrate

**Material**

- Brass
- Brass
- Brass
- Al
- PTFE
- ALN

**Plating**

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

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RF\_35/05:10/6.0

# Technical Data Sheet

# Rosenberger

N 50  $\Omega$

Termination  
Plug 5 Watt

**53S15R-005N3**

## Electrical data

Impedance	50 $\Omega$
Frequency	DC to 3 GHz
Return loss	$\geq 20.8$ dB, DC to 3 GHz
Center contact resistance	$\leq 1$ m $\Omega$
Outer contact resistance	$\leq 0.25$ m $\Omega$
Power handling	$\leq 5$ W at 25°C

## Mechanical data

Mating cycles	$\geq 500$
Center contact captivation:	$\geq 28$ N
Maximum torque	1.70 Nm
Recommended torque	0.70 Nm to 1.10 Nm

## Environmental data

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

## 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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