



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 contact  
Outer contact  
Body  
Coupling nut  
Dielectric  
Gasket  
Substrate

**Material**

Brass  
Brass  
Brass  
Brass  
PTFE  
Silicone  
Al<sub>2</sub>O<sub>3</sub>

**Plating**

Gold, min. 1.27 μm, over nickel  
White bronze(e.g. Optalloy®)  
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RF\_35/09;14/6.2

N 50 Ω

Termination  
Plug 1 Watt

**53S15R-001N3**

**Electrical data**

Impedance 50 Ω  
 Frequency range DC to 8 GHz  
 Return loss ≥ 33 dB, DC to 1 GHz  
 ≥ 25 dB, 1 GHz to 6 GHz  
 ≥ 22 dB, 6 GHz to 8 GHz  
 Power handling ≤ 1.0 W at 25°C

**Mechanical data**

Mating cycles ≥ 500  
 Maximum torque 1.70 Nm  
 Recommended torque 1.10 Nm  
 Gauge 5.28 mm to 5.84 mm

**Environmental data**

Temperature range - 55 °C to +155 °C  
 Degree of protection (mated pair) IEC 60529, IP65  
 RoHS compliant

**Packing**

Weight 32 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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