



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  
Dielectric  
Substrate

**Material**

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

**Plating**

Gold, min. 1.27 μm, over nickel  
Flash white bronze over silver(e.g. Optargen®)  
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RF\_35/05:10/6.0

N 50 Ω

Termination  
Plug 1 Watt

**53S17R-001N3**

**Electrical data**

Impedance 50 Ω  
 Frequency range DC to 12.4 GHz  
 Return loss ≥ 32.2 dB, DC to 1 GHz  
 ≥ 26.4 dB, 1 GHz to 2 GHz  
 ≥ 20.8 dB, 2 GHz to 12.4 GHz  
 Power handling ≤ 1 W at 25°C

**Mechanical data**

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

**Environmental data**

Temperature range -55°C to +155°C  
 RoHS compliant

**Packing**

Standard 1 pce in bag  
 Weight 40 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	26.07.05	Lars Ramtke	06.08.15	c00	15-1052	Marion Striegler	06.08.15

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