



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 - plug
- Center contact - jack
- Outer contact
- Coupling nut
- Dielectric
- Substrate

**Material**

- Brass
- CuBe
- Brass
- Brass
- PTFE
- ALN

**Plating**

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

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RF\_35/05.10/6.0

N 50 Ω

Attenuator  
Plug/Jack

**53AS105-K20N3**

**Electrical data**

Impedance 50 Ω  
 Frequency DC to 10 GHz  
 Return loss ≥ 26.4 dB, DC to 2 GHz  
 ≥ 21.2 dB, 2 GHz to 5 GHz  
 ≥ 14.0 dB, 5 GHz to 10 GHz  
 Attenuation 20 dB ± 0.5 dB, DC to 4 GHz  
 20 dB ± 1.5 dB, 4 GHz to 10 GHz  
 Center contact resistance ≤ 1 mΩ  
 Outer contact resistance ≤ 0.25 mΩ  
 Power handling ≤ 5 W at 25°C

**Mechanical data**

Mating cycles ≥ 500  
 Coupling nut retention ≥ 450 N  
 Center contact captivation: ≥ 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 73 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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