



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
- Heatsinks
- Dielectric
- Substrate

**Material**

- Brass
- Beryllium copper
- Brass
- Brass
- Al
- PTFE
- ALN

**Plating**

- Gold, min. 1.27  $\mu\text{m}$ , over nickel
- Gold, min. 1.27  $\mu\text{m}$ , over nickel
- Flash white bronze over silver(e.g. Optargen®)
- Flash white bronze over silver(e.g. Optargen®)
- Black anodized

RF\_35/08.06/4.0

**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	6 dB
Tolerances	≤ ± 0.3 dB, DC to 2 GHz ≤ ± 0.5 dB, 2 GHz to 4 GHz ≤ ± 1.0 dB, 4 GHz to 10 GHz
Center contact resistance	≤ 1 mΩ
Outer contact resistance	≤ 0.25 mΩ
Power handling	10 W at 25°C derated linearity to 0 Watts at 125°C

**Mechanical data**

Mating cycles	min. 500
Coupling nut retention	≥ 450 N
Center contact captivation	≥ 28 N
Coupling test torque	max. 1.7 Nm
Recommended torque	0.7 Nm to 1.1 Nm

**Environmental data**

Temperature range	-65°C to +125°C
2002/95/EC (RoHS)	compliant

**Tooling**

N/A

**Suitable cables**

N/A

**Packing**

Standard	1 pce in air cushion bag
Weight	155 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	05/08/05	Frank Weiß	11/12/07	b00	07-0838	Kerstin Hobrak	11/12/07
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany <a href="http://www.rosenberger.de">www.rosenberger.de</a>					Tel.: +49 8684 18-0 Fax: +49 8684 18-499 email: <a href="mailto:info@rosenberger.de">info@rosenberger.de</a>		Page 2 / 2

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Rosenberger:](#)

[53AS110-K06N3](#)