



All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to IEC 60169-15, EN 122110, MIL-STD-348

Documents

N/A

Material and plating

Connector parts

Center contact
Outer contact
Dielectric
Coupling nut
Gasket
Substrate

Material

Brass
Stainless steel
PTFE
Stainless steel
Silicone
Al₂O₃

Plating

Gold, min. 1.27 μm, over chemical nickel
Passivated
Passivated

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RF_35/09.14/6.2

Electrical data

Impedance	50 Ω ± 5%
Frequency	DC to 18 GHz
Return loss	≥ 32.2 dB @ DC to 8 GHz ≥ 26.4 dB @ 8 GHz to 12.4 GHz ≥ 19.1 dB @ 12.4 GHz to 18 GHz
Center contact resistance	≤ 3 mΩ
Outer contact resistance	≤ 2 mΩ
Impulse Power (1μs, 1%)	100 Watts at 25°C environment temperature
Power handling (at 25 °C, sea level)	≤ 1 W derated linearity to 0 Watts at 125°C

Mechanical data

Mating cycles	≥ 500
Coupling nut retention	≥ 270 N
Coupling test torque	≤ 1.7 Nm
Recommended torque	0.8 Nm to 1.1 Nm

Environmental data

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

Tooling

N/A

Suitable cables

N/A

Weight

2.3 g/pce

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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Martin Moder	18.03.16	J_Krautenbacher	15.07.16	b00	15-1629	I_Wallner	15.07.16

Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de				Tel. : +49 8684 18-0 Email : info@rosenberger.de			Page 2 / 2
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