



All dimensions are in mm

**Interface**

N/A

**Documents**

N/A

**Material and plating**

**Connector parts**

- Center contact
- Outer contact
- Dielectric

**Material**

- Kovar
- Kovar
- glass: Corning 7070 or equivalent

**Plating**

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

**Electrical data**

Impedance	50 Ω ± 2 Ω
Frequency	DC to 110 GHz
Return loss (typical)	≥ 17 dB, DC to 70 GHz ≥ 12 dB, 70 GHz to 90 GHz ≥ 10 dB, 90 GHz to 110 GHz
Return loss <sup>1)</sup>	≥ 20 dB, DC to 20 GHz ≥ 14 dB, 20 to 40 GHz ≥ 12 dB, 40 GHz to 70 GHz ≥ 10 dB, 70 GHz to 110 GHz
Insertion loss	≤ 0.1 x √f(GHz)dB
Insulation resistance	≥ 5 GΩ
Dielectric withstand voltage	500 V rms

<sup>1)</sup> Test of scattering parameters with two sparkplug launcher 01K521-800D3 as measurement adaptors, results including measurement adaptors

**Mechanical data**

Center contact captivation	≥ 10 N
----------------------------	--------

**Environmental data**

Temperature range	-65°C to +165°C
Max. soldering temperature	+300°C
Hermetivity	≤ 10 <sup>-8</sup> mbar x l/s
RoHS	compliant

**Tooling**

N/A

**Suitable cables**

N/A

**Weight**

0.01g/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.

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
F. Reiner	16.04.21	H. Babinger	15.07.22	200	22-v304	S. Schmid	14.07.22
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany <a href="http://www.rosenberger.com">www.rosenberger.com</a>						Tel. : +49 8684 18-0 Email : <a href="mailto:info@rosenberger.com">info@rosenberger.com</a>	
							Page 2 / 2