



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

Interface

QN side according to
7/16 side according to

153QK000-000, DCA-00067752
IEC 60169-4, VG 95250, EN 122190, DIN 47223

Documents

N/A

Material and plating

Connector parts

- Center contact QN-side
- Center contact 7/16-side
- Outer contact
- Body
- Dielectric
- Gasket

Material

- Spring bronze
- Brass
- Brass
- Brass
- PTFE
- Silicone

Plating

- AuroDur®, gold plated
- AuroDur®, gold plated
- Flash white bronze over silver(e.g. Optargen®)
- White bronze(e.g. Optalloy®)

Electrical data

Impedance	50 Ω	
Frequency	DC to 8.3 GHz	
Return loss	≥ 30 dB, DC to 3 GHz	
	≥ 25 dB, 3 to 6 GHz	
Insertion loss	≤ 0.05 dB x √ f [GHz]	
Insulation resistance	≥ 5 x10 ³ MΩ	
Center contact resistance	≤ 1.5 mΩ, QN side	≤ 0.4 mΩ, 7/16 side
Outer contact resistance	≤ 1.5 mΩ, QN side	≤ 1.5 mΩ, 7/16 side
Test voltage	2500 V rms	
Working voltage	1000 V rms	
Intermodulation (3 rd order)	≤ -120 dBm @ 2 x 20 W	

Mechanical data

	QN side	7/16 side
Mating cycles	min. 100	min. 500
Center contact captivation axial	≥ 28 N	≥ 200 N
Engagement force	30 N (typ.)	N/A
Disengagement force	30 N (typ.)	N/A
Coupling test torque	N/A	max. 35 Nm
Recommended torque	N/A	25 Nm to 30 Nm

Environmental data

Temperature range	-40°C to +85°C
Thermal shock	MIL-STD-202, Meth. 107 D, Cond. B
Corrosion	MIL-STD-202, Meth. 101 D, Cond. B
Vibration	MIL-STD-202, Meth. 204 D, Cond. A
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture resistance 2002/95/EC (RoHS)	MIL-STD-202, Meth. 106 F compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight 96.2 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
F. Fraunhofer	11/07/11	Sa. Krautenbacher	11.03.14	b00	14-0352	T. Krojer	11.03.14
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de				Tel.: +49 8684 18-0 Fax: +49 8684 18-499 email: info@rosenberger.de			Page 2 / 2