



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

Interface

According to DCA-00067752

Documents

N/A

Material and plating

Connector parts

Center contact
Outer contact
Body
Dielectric
Gasket
Crimping ferrule
Substrate

Material

Brass
Brass
Brass
PTFE
Silicone
Brass
Al₂O₃

Plating

Gold, min. 0.8 µm, over nickel
Flash white bronze over silver(e.g. Optargen®)
White bronze(e.g. Optalloy®)

White bronze(e.g. Optalloy®)

QN 50 Ω TERMINATION
PLUG 1 WATT

153QS15R-001N4

Electrical data

Impedance	50 Ω
Frequency	DC to 6 GHz
Return loss	≥ 26 dB, DC to 2 GHz ≥ 21 dB, 2 to 4 GHz ≥ 19 dB, 4 to 6 GHz
Insulation resistance	≥ 5 x10 ³ MΩ
Center contact resistance	≤ 1.5 mΩ
Outer contact resistance	≤ 1.5 mΩ
Power handling	1 W at 25 °C reduced linearity to 0 Watts at 125°C

Mechanical data

Mating cycles	min. 100
Center contact captivation: axial	≥ 28 N
radial	≥ 3 Ncm
Engagement force	30 N (typ.)
Disengagement force	30 N (typ.)

Environmental data

Temperature range	-40°C to +125°C
2002/95/EC (RoHS)	compliant

Tooling

N/A

Suitable cables

N/A

Packing

Standard	30 pcs in blister
Weight	19.2 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
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