



7/16 DIN male connector for 7/8 in radiating cable, field installation with reliable connection.

General Specifications

Connector Type	Field installation
Connector Interface	7/16 DIN male
Suitable Cable	7/8-inch radiating cable
Mechanical Standard	IEC 61169-16

Electrical Specifications

Impedance	50 ohms
Frequency	DC - 6GHz
Return Loss	≤ -26 dB@DC-3GHz ≤ -23 dB@3-4GHz ≤ -21 dB@4-6GHz
Insertion Loss	≤ 0.05 dB
Insulation Resistance	10 G Ω
Center Contact Resistance	≤ 0.4 M Ω
Outer Contact Resistance	≤ 1.5 M Ω
Working Voltage	500 V
Power Handling	1800 W@1GHz
Intermodulation, 900MHz	-161 dBc@2 \times 43dBm Typical -155 dBc@2 \times 43dBm Maximum

Parts Material

Inner Conductor	Brass
Inner Conductor Socket	Tin bronze
Insulator	PTFE/TPX
Body & Outer Conductor	Brass
Gasket	Silicon rubber
Nut	Brass

Surface Plating Treatment

Inner Conductor	Silver Ag3 plated
Inner Conductor Socket	Silver Ag3 plated
Body & Outer Conductor	Tri-metal CuSnZn3 plated
Nut	Nickel Ni3 plated

Mechanical Specifications

Mating Cycles	≥500 times
Coupling Nut Retention	≥1000 N
Coupling Torque (Recommended)	≥25 to 30 Nm
Proof Torque	≤35 Nm
Mechanical Shock Test Method	MIL-STD-202, Method 213, Test Condition D
Vibration Test Method	MIL-STD-202, Method 204, Test Condition A

Environmental Specifications

Installation Temperature	-20 °C to +55 °C
Operating Temperature	-40 °C to +85 °C
Storage Temperature	-45 °C to +85 °C
Relative Humidity	5% - 95%
IP Rating	Mated IP68, 1m, 1.5hrs, 20 deg-C

Regulatory Compliances

ISO 9001:2015	Compliant
ROHS	Compliant
China RoHS	Compliant
UK RoHS	Compliant
REACH	Compliant
EU/CE	Compliant

In the effort to improve our products, we reserve the right to make changes judged to be necessary. While the information has been carefully compiled to the best of our knowledge, but nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. The information contained in this document is subject to change without notice.