These single-piece high performance coaxial cable connectors are designed specifically to provide the highest quality connector-cable interface while simplifying and speeding up the attachment of connectors to RADIAFLEX® cables. The connectors provide outstanding value to users because they permit quick, easy and reliable installation at any location, thereby allowing the operator flexibility while saving installation time and money. They attach to prepared cable in one piece assuring error-free attachment. All connectors are fully tested for mechanical and electrical compliance specifications. They are available in all popular cable sizes in both type N and 7-16 DIN interface.

#### **FEATURES / BENEFITS**

- Single-piece design for Fast and Easy Installation Reliable and simple attachment avoids unnecessary connector adjustments and provides outstanding performance. Saves time and provides cost savings.
- Robust Mechanical Design Low and consistent IM performance.
- Excellent Electrical Performance Low VSWR
- Totally Waterproof Assures safe, long term operation in the harshest of environments.
- RoHS (EU) and CRoHS (China) compliant i.e. can be used on a global basis



RADIAFLEX connector

# **Technical features**

GENERAL SPECIFICA	SIONS
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Transmission Line Type	Coaxial Cable			
Cable Size	7/8			
Cable Type	Radiating			
Model Series	all RLF, RLK and RAY78-50A-Series			
Connector Interface	N			
Connector Type	Straight			
Sealing Method	Shrinking Sleeve			
Gender	Female			

# **ELECTRICAL SPECIFICATIONS**

Nominal Impedance, ohms	Ohm	50
Maximum Frequency	GHz	3.7
VSWR, Return Loss	VSWR (dB)	0 - 1 GHz: 1.03 (36.6) 1 - 2,7 GHz: 1.06 (30.7) 2,7 - 3,7 GHz: 1.08 (28.3)

## **MECHANICAL SPECIFICATIONS**

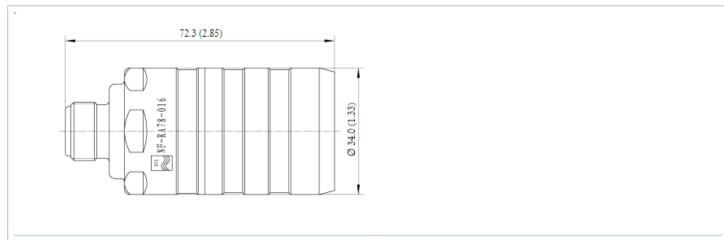
Length	mm (in)	72.3 (2.85)
Outer Diameter	mm (in)	34 (1.33)
Body Material		Brass / Plating: Tri metal
Inner Contact Material		Copper / Plating: Silver
Inner Contact Attachment		Spring Finger / Plating: silver
Outer Contact Attachment		Spring loop / Plating: silver

### **TESTING AND ENVIRONMENTAL**

Waterproof Level	IP68	

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**External Document Links** 

Application Note Installation Instruction

Notes

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