PRODUCT DATASHEET

NF-RA114-016

N Female Connector for 1-1/4" RADIAFLEX® cable

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.

RADIAFLEX connector

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

Technical features

GENERAL SPECIFICATIONS

Transmission Line Type		Coaxial Cable
Cable Size		1-1/4
Cable Type		Radiating
Model Series		all RLF, RLK, RLV and RAY114-50A-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)	85.3 (3.36)
Outer Diameter	mm (in)	44.5 (1.75)
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

All values nominal unless tolerances provided; information contained in the present datasheet is subject to confirmation at time of ordering

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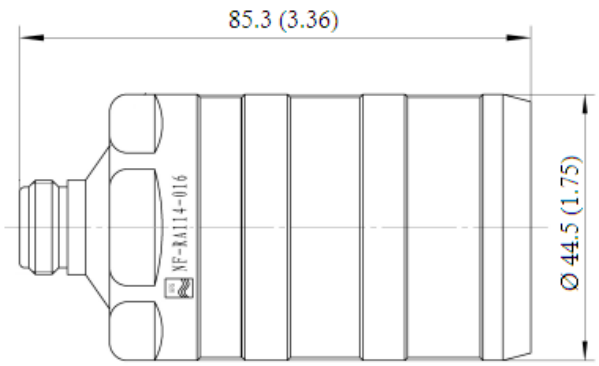

External Document Links

Application Note

Installation Instruction

Notes

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