PRODUCT DATASHEET

716F-RA114-016

7-16 DIN 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.

Feature / 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

Cable Size	1-1/4
Cable Type	Radiating
Model Series	all RLF, RLK and RAY114-50A-Series
Connector Interface	7-16 DIN
Connector Type	Straight
Sealing Method	Shrinking Sleeve

TESTING AND ENVIRONMENTAL

Waterproof Level	IP68

MECHANICAL SPECIFICATIONS

Body Material	Brass / Plating: Tri metal
Inner Contact Material	Copper / Plating: Silver
Length	81.5mm (3.21in)
Outer Diameter	44.5mm (1.75in)
Inner Contact Attachment	Spring Finger / Plating: silver
Outer Contact Attachment	Spring loop / Plating: silver

ELECTRICAL SPECIFICATIONS

Nominal Impedance	50 ohms	
Maximum Frequency	3.7 GHz	
Frequency Range	VSWR value	Return Loss value
0 - 1 GHz	1.03	36.6
1 - 2,7 GHz	1.06	30.7
2,7 - 3,7 GHz	1.08	28.3

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

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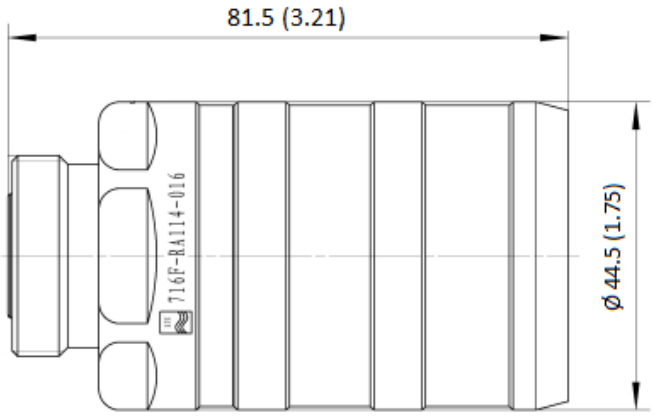

External Document Links

Notes

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