



716F-RA114-P02

7-16 DIN Female Connector for 1-1/4" RADIAFLEX® cable



The P02 premium 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 should 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.

Feature / Benefits

- Designed 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 - Best in class PIM 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
Installation Temperature	-25°C to 60°C (-13°F to 140°F)
Storage Temperature	-70°C to 85°C (-94°F to 185°F)
Operation Temperature	-40°C to 85°C (-40°F to 185°F)

MECHANICAL SPECIFICATIONS

Body Material	Brass / Plating: Tri Metal
Inner Contact Material	Copper / Plating: Silver
Length	81.4mm (3.2in)
Outer Diameter	48.8mm (1.92in)
Weight	0.3kg (0.66lb)
Inner Contact Attachment	Spring Finger / Plating: Silver
Outer Contact Attachment	Spring Loop / Plating: Silver



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ELECTRICAL SPECIFICATIONS

Nominal Impedance	50 ohms	
3rd Order IM Product @ 2x20 Watts	-155 / -160 (typ.)	
Maximum Frequency	3.7 GHz	
Frequency Range	VSWR value	Return Loss value
0.0-1.0 GHz	1.03	36.6
>1.0-2.7 GHz	1.06	30.7
>2.7-3.7 GHz	1.08	28.3
>3.7-4.2 GHz	1.12	24.5

ACCESSORIES

Trimming Tool	TRIM-SET-R114-P02
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External Document Links

Notes
In order to achieve the PIM specs. the use of the trimming tool is mandatory.