

**716F-RA158-P02**

7-16 DIN Female Connector for 1-5/8" 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

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	1-5/8
Cable Type	Radiating
Model Series	all RLF, RLK and RAY158-50A-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	59.5mm (2.34in)
Inner Contact Attachment	Spring Finger / Plating: Silver

ELECTRICAL SPECIFICATIONS

Nominal Impedance	50 ohms	
3rd Order IM Product @ 2x20 Watts	-155 / -160 (typ.)	
Maximum Frequency	2.8 GHz	
Frequency Range	VSWR value	Return Loss value
0.0-1.0 GHz	1.03	36.6
>1.0-2.0 GHz	1.06	30.7
>2.0-2.8 GHz	1.08	28.3



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ACCESSORIES

Trimming Tool	TRIM-SET-R158-P02
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External Document Links

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