

**43F-RA78-P02****4.3-10 Female Connector for 7/8" 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 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          | 7/8                         |
| Cable Type          | Radiating                   |
| Model Series        | all RLF, RLK and RAY-Series |
| Connector Interface | 4.3-10                      |
| 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                   | 84.7mm (3.33in)                 |
| Outer Diameter           | 35.5mm (1.4in)                  |
| 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              |

ACCESSORIES

|               |                  |
|---------------|------------------|
| Trimming Tool | TRIM-SET-R78-P02 |
|---------------|------------------|

External Document Links

Notes

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