

7-16 DIN Female Connector for 7/8" Coaxial Cable, RAPID FIT™ Sealing compound

Radio Frequency Systems line of 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 Air Dielectric Cable® coaxial cables. RFS Technologies connectors are fully tested for mechanical and electrical compliance specifications. They are available in all popular cable sizes in a variety of mating interfaces. The 7-16 connector is the most rugged RF connection meeting all requirements even under severe environmental conditions.

FEATURES / BENEFITS

- Excellent gas tightness, Overpressure for increased voltage handling is maintained throughout the system
- Robust Mechanical Design, Superior and consistent performance guarantees outstanding system characteristics.
- Extremely low reflection factor, Outstanding low reflection factor improves overall system performance and margin and reduces mismatch losses
- Totally Waterproof according to IP 68, Assures safe, long term operation in the harshest of environments. System tightness doesn't have to rely on overpressure from dehydration equipment.



Connector 7-16 socket CAF

Technical features

CENIEDAL CRECIEICATIONS

| GENERAL SPECIFICATIONS | |
|------------------------|---------------------------------|
| Transmission Line Type | Coaxial Cable |
| Cable Size | 7/8 |
| Cable Type | Air Dielectric |
| Model Series | HCA78-50 Series |
| Connector Interface | 7-16 DIN |
| Connector Type | RAPID FIT™ |
| Sealing Method | Sealing compound ¹) |
| Gender | Female |

MECHANICAL SPECIFICATIONS

| Plating Outer/Inner | | Silver/Silver |
|--------------------------|---------|---------------|
| Length | mm (in) | 72 (2.84) |
| Outer Diameter | mm (in) | 39.5 (1.55) |
| Inner Contact Attachment | | Spring Finger |
| Outer Contact Attachment | | Threaded |
| | | |

ACCESSORIES

| Wrench size front | mm (in) | 36 (1-7/16) |
|-------------------|---------|-------------|
| Wrench size rear | mm (in) | 32 (1-1/4) |

TESTING AND ENVIRONMENTAL

| Sealing Volume, cm3 (ounces) | cm³ (ounces) | 5 (0.17) |
|------------------------------|--------------|----------|
| | | |

External Document Links Installation Instruction

Note

1) The sealing compound must be ordered separately.

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