

## 7-16 DIN Male Connector for 3/8" Coaxial Cable, RAPID FIT™ O-ring sealing

**Product Description**

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 CELLFLEX® coaxial cables. RFS 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.



RAPID FIT™ Connectors

**Features/Benefits**

- Single-piece design for Fast and Easy Installation - Reliable and simple attachment avoids unnecessary connector adjustments and provides outstanding performance every time. Saves time and provides cost savings.
- Robust Mechanical Design - Low and consistent intermodulation performance guarantees outstanding system sensitivity.
- Excellent Electrical Performance - Consistent and repeatable low VSWR 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.

**Technical Specifications**

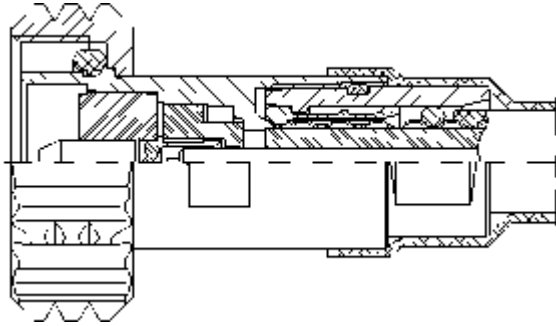
Transmission Line Type	Coaxial Cable
Cable Size	3/8"
Cable Type	Foam Dielectric
Connector Interface	7-16 DIN
Nominal Impedance, ohms	50
Connector Type	RAPID FIT™
Sealing Method	O-ring
Gender	Male
Plating Outer/Inner	Silver/Silver
Length, mm (in)	55 (2.2)
Outer Diameter, mm (in)	37 (1.5)
Weight, kg (lb)	0.11 (0.24)
Inner Contact Attachment	Basket
Outer Contact Attachment	Spring Finger
3rd Order IM Product @ 2x20 Watts, dBc	<-156
Maximum Frequency, GHz	3.7
VSWR (Return Loss, dB)	0 < f = 1.0 GHz: 1.02 (40.0) 1.0 < f = 2.7 GHz: 1.03 (36.6) 2.7 < f = 3.7 GHz: 1.06 (30.7)
Wrench size front, mm (in)	17 (11/16)
Wrench size rear, mm (in)	15 (9/16)
Trimming Tool	TRIM-Series-A
Waterproof Level	IP68

**Notes****Other Documentation**

Installation Instruction: [M30712c.pdf](#)



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All information contained in the present datasheet is subject to confirmation at time of ordering