

7/8" EIA Connector for 7/8" Coaxial Cable, RAPID FIT™ Plast 2000 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. To join two cables with EIA connectors, two identical socket connectors are installed on either end of the cables to be joined, and a coupling element is used to make the connection of the center conductor. The coupling element must be ordered separately with the exception of the S-Line male versions that have a captivated coupling element. Connectors are available in sizes matching the nominal cable size. EIA connectors provide optimal power handling for the complete transmission line system.



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 66/68**

Assures safe, long term operation in the harshest of environments.

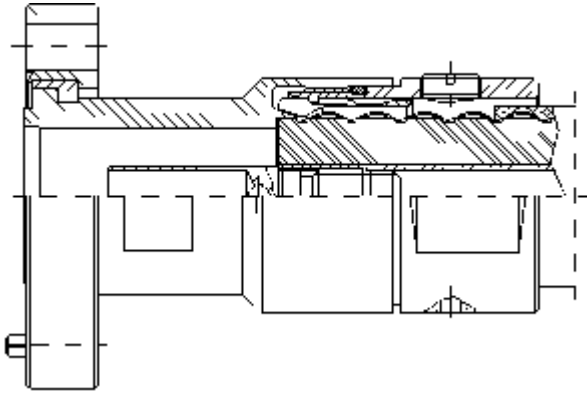
Technical Specifications

Transmission Line Type	Coaxial Cable
Cable Size	7/8"
Cable Type	Foam Dielectric
Mating Interface	7/8" EIA
Connector Type	RAPID FIT™
Sealing Method	Plast 2000
Gender	None
Plating Outer/Inner	Silver/Silver
Length, mm (in)	76.5 (3.0)
Outer Diameter, mm (in)	57.0 (2.3)
Weight, kg (lb)	0.38 (0.85)
Inner Contact Attachment	Self Tapping
Outer Contact Attachment	Spring Finger
3rd Order IM Product @ 2x20 Watts, dBc	<-156
Return Loss, min (VSWR, max). dB (VSWR) @ Max. Frequency	30.7 (1.06)
Maximum Frequency, GHz	3.7
Wrench size front, mm (in)	30 (1-3/16)
Wrench size rear, mm (in)	30 (1-3/16)
Trimming Tool	TRIM-Series-A
Waterproof Level	IP66 and IP68
Sealing Volume, cm3 (ounces)	7 (0.26)

Notes



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