



158EIA-LCF78-062

1-5/8" EIA 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 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.

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.
- RoHS (EU) and CRoHS (China) compliant i.e. can be used on a global basis

Technical Features

STRUCTURE

Cable Type	Foam Dielectric
Cable Size	7/8
Model Series	LCF78-50A-Series, RCF78-50A-Series
Connector Interface Size	1-5/8" EIA

MECHANICAL SPECIFICATIONS

Connector Length	110mm (4.3in)
Connector Outer Diameter	90mm (3.5in)
Inner Conductor Material / Coating	Copper-alloy / Silver
Outer Conductor Material / Coating	Copper-alloy / Silver
Sealing Volume	7cm ³ (0.237ounces)
Sealing Method	Plast 2000 ¹)



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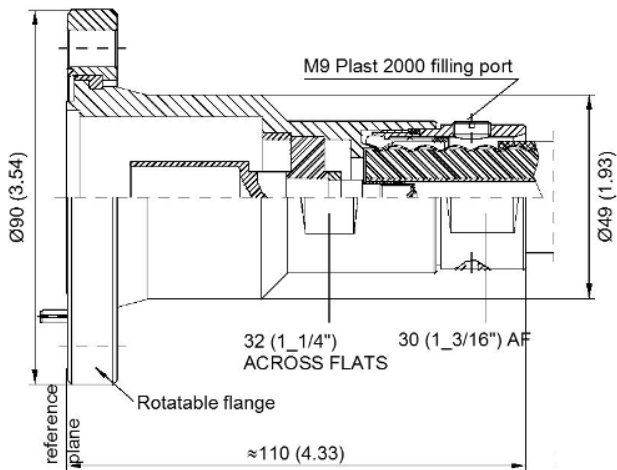
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ELECTRICAL SPECIFICATIONS

Nominal Impedance	50 Ω	
Frequency Range	VSWR	Return Loss
0 < f $\leq$ 1.0 GHz	1.02	40
1.0 < f $\leq$ 2.7 GHz	1.03	36.6
2.7 < f $\leq$ 3.7 GHz	1.06	30.7

ACCESSORIES

Wrench Size Connector Front Part	30mm (1-3/16in)
Wrench Size Connector Rear Part	30mm (1-3/16in)
Trimming Tool	TRIM-Series-A



Note	¹⁾ The sealing compound must be ordered separately.
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Related Documents

 Installation Instruction **-LCF78-062
Installation Instructions