

**158EIA-LCF114-062****1-5/8" EIA Connector for 1-1/4" 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. 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 Size	37987	
Qualified Cable Types	LCFS 114-50	LCFS 114-50 A
Connector Interface Size	1-5/8" EIA	

MECHANICAL SPECIFICATIONS

Connector Length	95mm (3.7in)
Connector Outer Diameter	88.5mm (3.5in)
Inner Conductor Material / Coating	Copper-alloy / Silver
Outer Conductor Material / Coating	Copper-alloy / Silver
Insulation Material	PTFE
Sealing Volume	15cm ³ (0.507ounces)
Sealing Method	Plast 2000 ¹)



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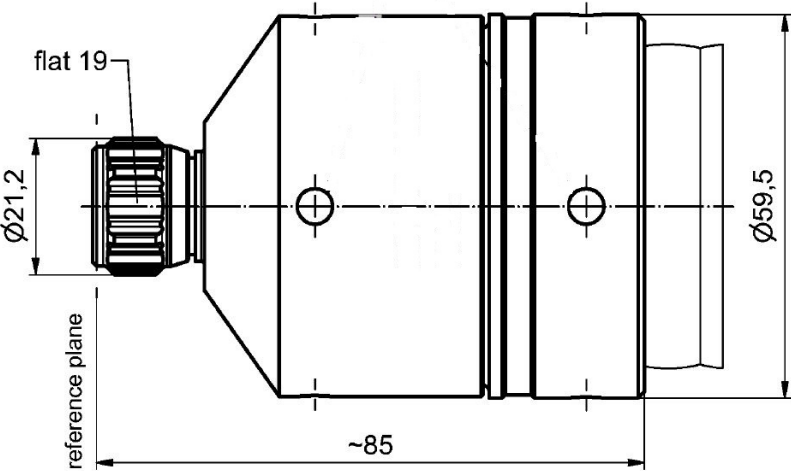
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ELECTRICAL SPECIFICATIONS

Nominal Impedance	50 Ω	
Frequency Range	VSWR	Return Loss
0 < f ≤ 1.0 GHz	1.02	40.1
1.0 < f ≤ 2.2 GHz	1.04	34.1
2.2 < f ≤ 2.7 GHz	1.06	30.7
2.7 < f ≤ 3.3 GHz	1.08	28.3

ACCESSORIES

Poly Hook Spanner	PHS60-90-5
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Note	¹⁾ Sealing component must be ordered separately
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Related Documents

 Installation Instruction **-LCF114-062
Installation Instructions