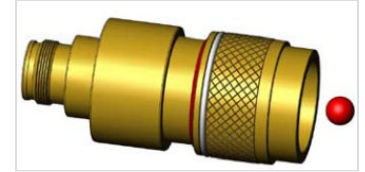


## 43F-LCF78-CP01

4.3-10 Female Compression Connector for 7/8" Coaxial Low Loss Cable, Straight

43F-LCF78-CP01

RFS Technologies' high performance Compression Connectors are designed for CELLFLEX® cables. They are designed specifically to provide the highest quality connector-cable interface while simplifying and speeding up connector attachment using compressing technologies. All RFS Technologies' connectors are fully tested for mechanical and electrical compliance to industry specifications. The 4.3-10 connector is an innovative, space-saving RF connection meeting all requirements even under the most severe environmental conditions and not relying on coupling nut torque. Sealing against outer conductor and jacket by means of the o-ring and 360° compression fit. Multifunctional, self-lubricating HighTech polymer assembly locks on cable corrugation, avoids electrochemical potential differences and compression-fits to the jacket.



### FEATURES & BENEFITS

- One-piece design together with Compression tools to minimize installation time required, improve installation security
- Ultra high PIM performance i.e. reduced interference leading to high customer satisfaction
- Watertight sealing to IP68
- Tri metal alloy plating i.e. extreme resistance against corrosion even under hardest climatic and environmental circumstances
- RoHS (EU) and CRoHS (China) compliant i.e. can be used on a global basis

### GENERAL SPECIFICATIONS

|                        |  |                                        |
|------------------------|--|----------------------------------------|
| Transmission Line Type |  | Coaxial Cable LCF78                    |
| Cable Size             |  | 7/8                                    |
| Cable Type             |  | Foam Dielectric, Low Loss              |
| Model Series           |  | LCF78-50 Series                        |
| Connector Interface    |  | 4.3-10                                 |
| Connector Type         |  | Compression Connector PREMIUM Straight |
| Sealing Method         |  | 360° Compression                       |
| Gender                 |  | Female                                 |

### ELECTRICAL SPECIFICATIONS

|                                   |           |                                                         |
|-----------------------------------|-----------|---------------------------------------------------------|
| Nominal Impedance, ohms           | Ohm       | 50                                                      |
| Insertion loss                    | dB        | ±0.05                                                   |
| 3rd Order IM Product @ 2x20 Watts | dBc       | -160                                                    |
| Maximum Frequency                 | GHz       | 6                                                       |
| VSWR, Return Loss                 | VSWR (dB) | DC<f?3.0 GHz: 1.05 (32.3)<br>3.0<f?6.0 GHz: 1.10 (26.4) |

# 43F-LCF78-CP01

4.3-10 Female Compression Connector for 7/8" Coaxial Low Loss Cable, Straight

43F-LCF78-CP01

## MECHANICAL SPECIFICATIONS

|                          |         |                          |
|--------------------------|---------|--------------------------|
| Plating Outer/Inner      |         | Tri metal alloy / Silver |
| Length                   | mm (in) | 79.5 (3.13)              |
| Outer Diameter           | mm (in) | 35 (1.38)                |
| Inner Contact Attachment |         | Compression              |
| Outer Contact Attachment |         | 360° clamping            |

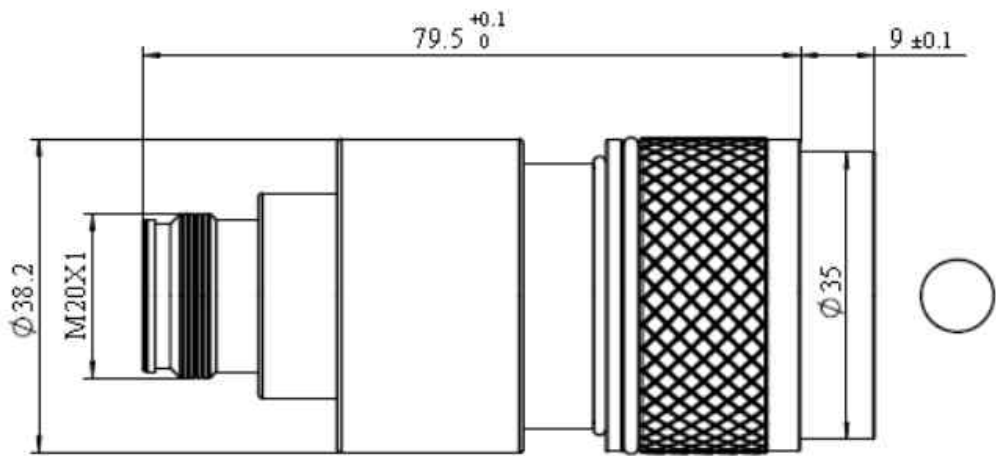
## ACCESSORIES

|               |  |                      |
|---------------|--|----------------------|
| Trimming Tool |  | AFBXD05-41(Trimming) |
|---------------|--|----------------------|

## TESTING AND ENVIRONMENTAL

|                       |        |                        |
|-----------------------|--------|------------------------|
| Waterproof Level      |        | IP68                   |
| Operation Temperature | °C(°F) | -40 to 85 (-40 to 185) |

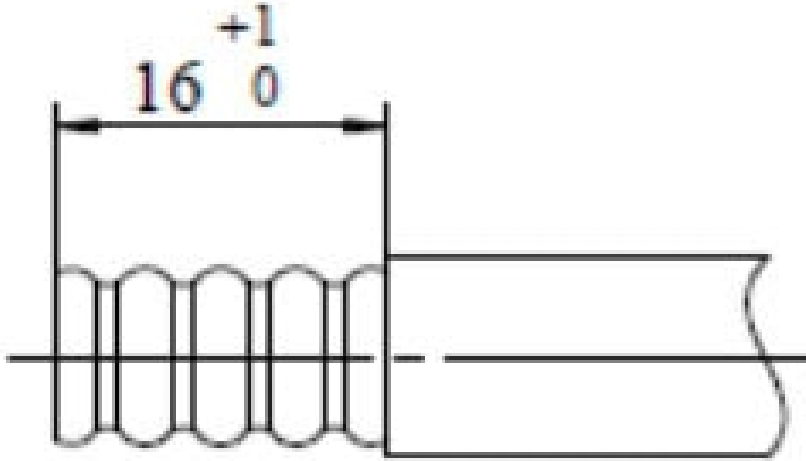
## ADDITIONAL IMAGES



## 43F-LCF78-CP01

4.3-10 Female Compression Connector for 7/8" Coaxial Low Loss Cable, Straight

43F-LCF78-CP01



**RECOMMENDED  
CABLE STRIPPING DIM'S**

### EXTERNAL DOCUMENT LINKS & NOTES

[Installation Instruction](#)