



**RADIALL**  
Optical Fiber Components

## TECHNICAL DATA SHEET

# F727.102.101

LC SIMPLEX PC SINGLEMODE OPTICAL PLUG WITH EXTENDED  
REAR BODY  
FOR Ø900 µM CABLE

Packaging  
100

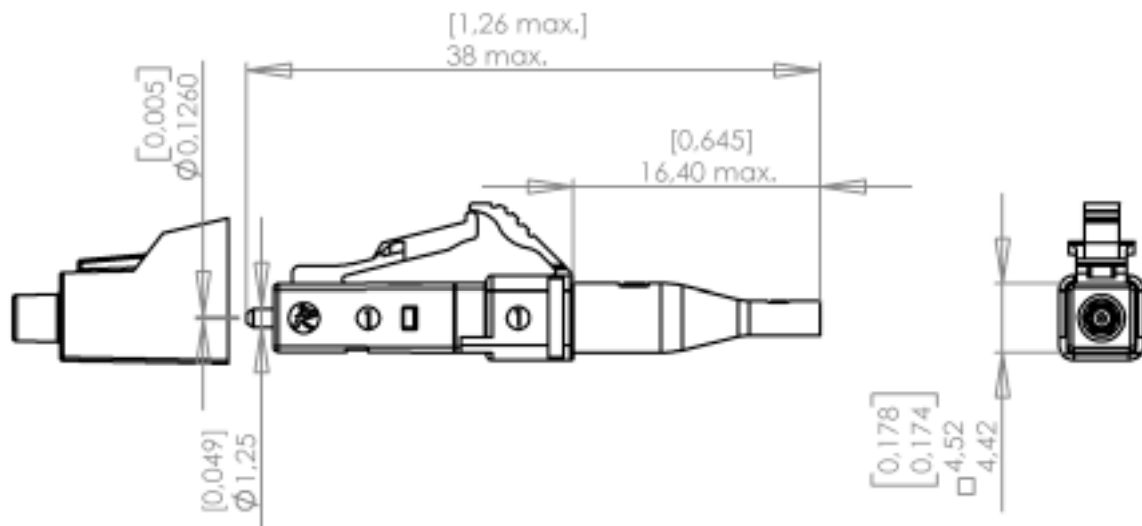
Series  
LC

Issue  
30 JAN 06

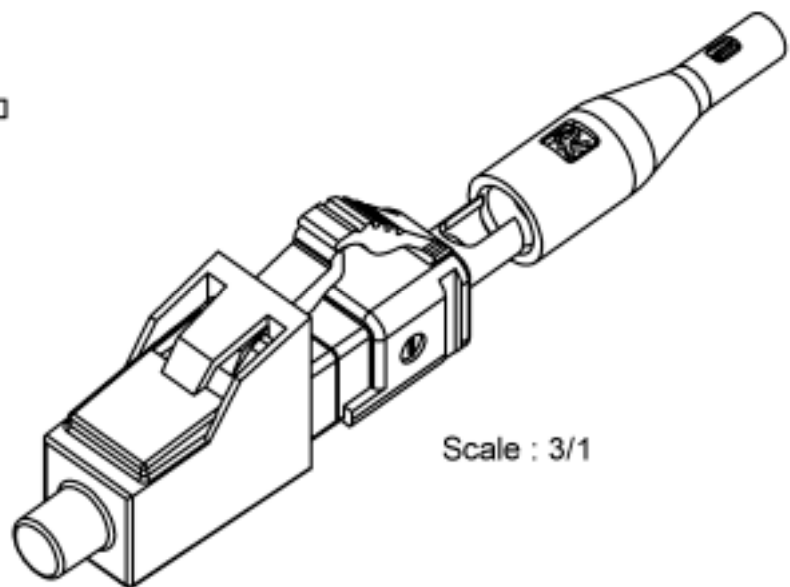
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Outer plug body : color BLUE

Monobloc



Scale : 1/1



Scale : 3/1

Original dimensions in mm [inch]

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### GENERAL

- ❑ **TYPE** IEC 61754-20 (LC )  
Singlemode Zirconia Ø1,25 ferrule  
RJ -45 latching connector system
- ❑ **FERRULE SIZE** 126 µm
- ❑ **FIBER SIZE** 9/125µm singlemode
- ❑ **CABLE SIZE & TYPE** Ø0,9 mm Simplex
- ❑ **CABLING PROCEDURE** Refer to 503.08.500 assembly instruction manual

Can be converted into duplex version using dismountable clip F718 178 001 to be ordered separately.

### CHARACTERISTICS (Depending on fibre or cable construction)

- ❑ **OPTICAL** Attenuation at 1300 nm and 1550 nm  
Attenuation plug mated with reference plug : IEC 61300-3-4 Method B

| PARAMETER          | STD      |
|--------------------|----------|
| Mean               | ≤0.10 dB |
| Standard deviation | ≤0.05 dB |

Attenuation of random mated connectors : IEC 61300-3-34

| PARAMETER          | STD       |
|--------------------|-----------|
| Mean               | ≤0.10 dB  |
| Standard deviation | ≤ 0.07 dB |

Return-Loss Maximum loss variation : IEC61300-3-6

|     | RL     |
|-----|--------|
| PC  | > 35dB |
| SPC | > 40dB |
| UPC | > 50dB |

- ❑ **MECHANICAL**
  - Vibration test 10 to 55 Hz , 1,5 mm (peak to peak) , 2 Hr/axis
  - Impact test 1,5 m drop , 8 cycles
  - Mechanical Endurance 200 matings
  - Cable retention 7 N
- ❑ **ENVIRONMENTAL**
  - Storage temperature range -40 °C to +85 °C
  - Operating temperature range -40 °C to +70 °C
  - Thermal cycle test -40°C to +75°C , 21 Cycles , 168
  - Humidity/Condensation cycling test 95%RH, -10°C to +65°C, 14 cycles, 168Hr

(Performance and specification : see document GEN – F727 001)