



RADIALL
Optical Fiber Components

TECHNICAL DATA SHEET

F727.100.101

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

Packaging
100

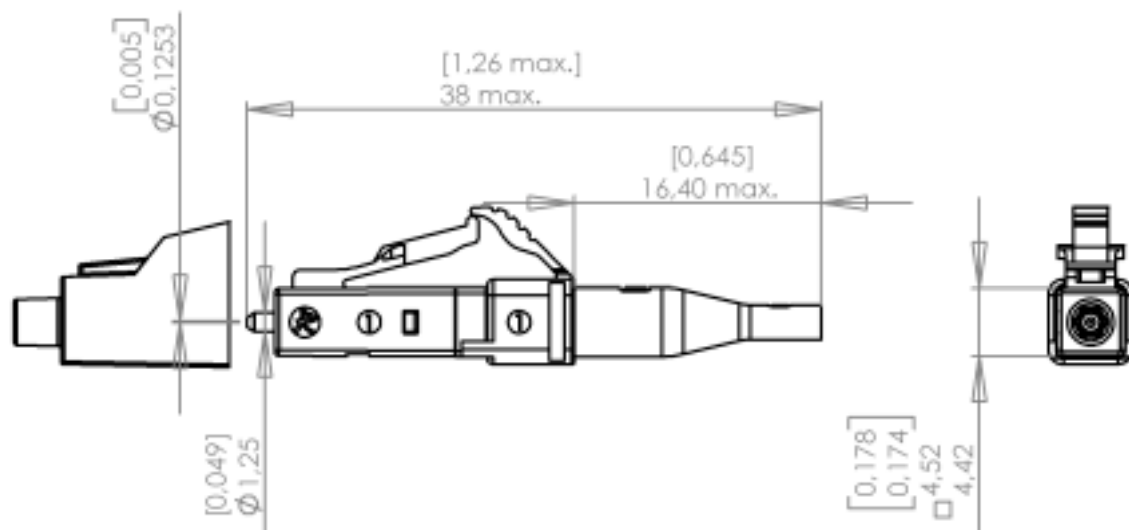
Series
LC

Issue
30 JAN 06

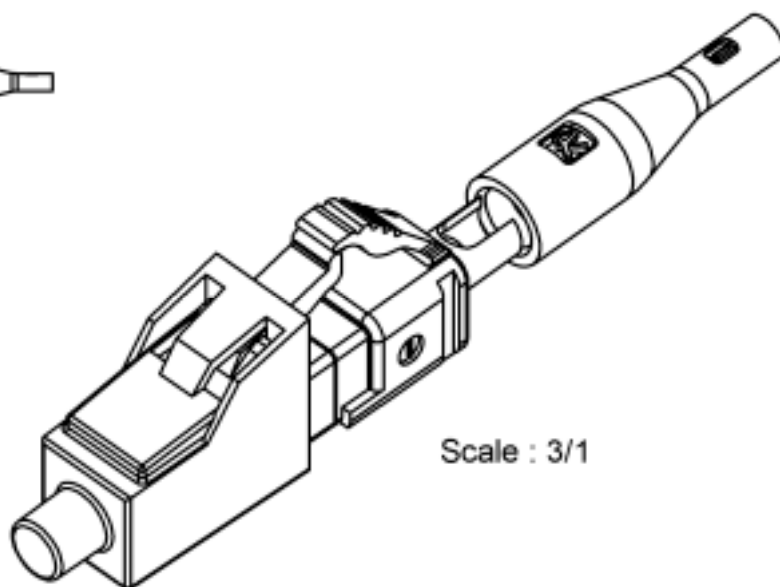
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Outer plug body : color BLUE

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** 125.3 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)