



RADIALL
Optical Fiber Components

TECHNICAL DATA SHEET

F727.103.101

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

Packaging
100

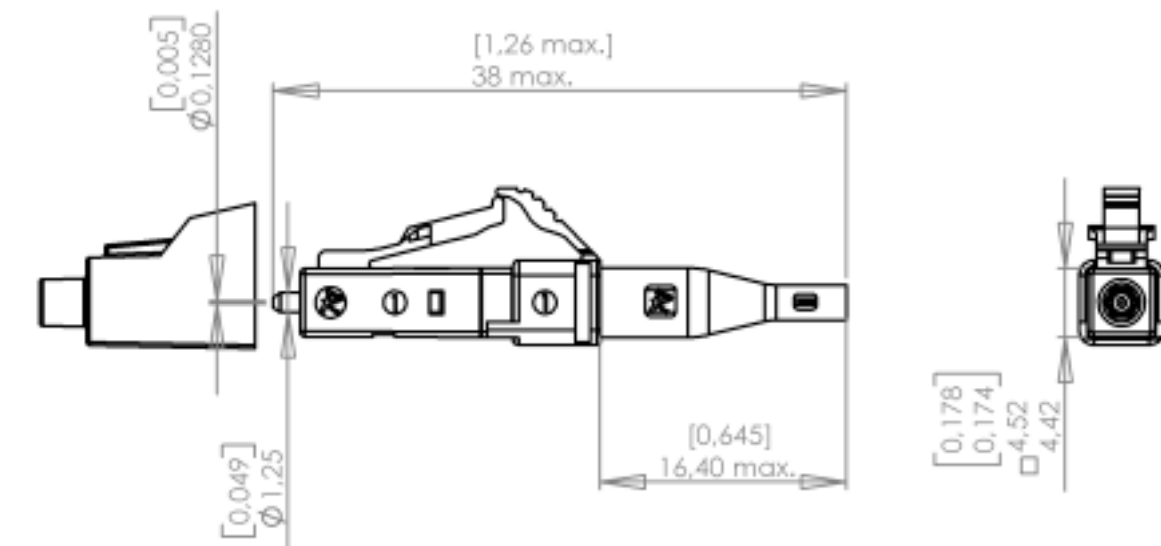
Series
LC

Issue
30 JAN 06

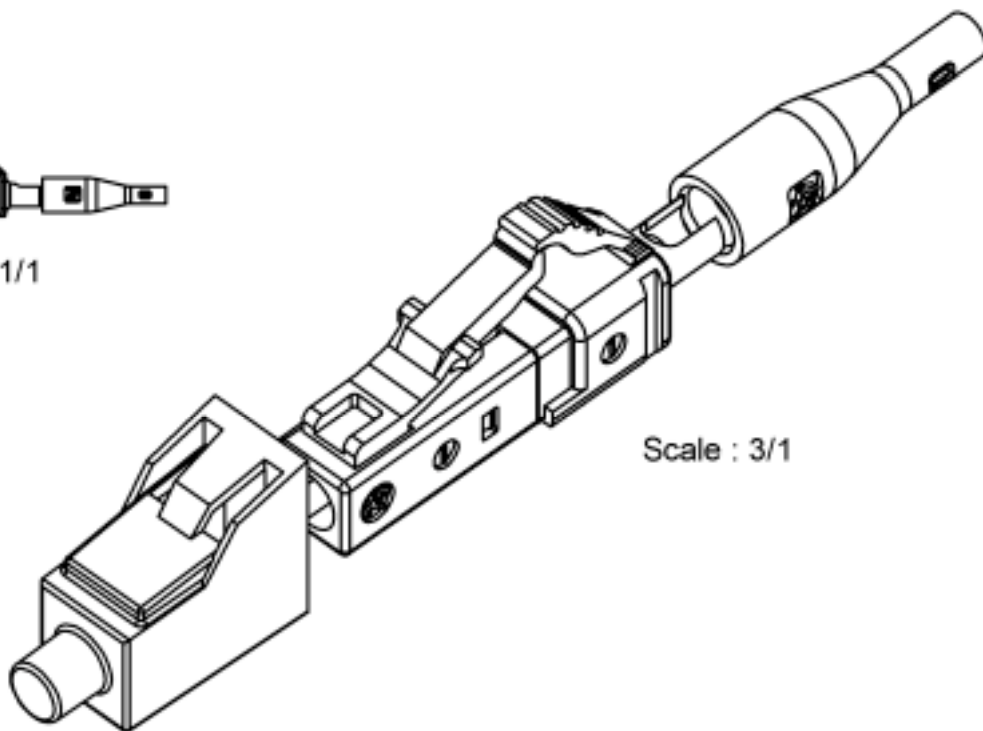
Page
1 / 2

Outer plug body : color BEIGE

Monobloc



Scale : 1/1



Scale : 3/1

Original dimensions in mm [inch]

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Page
2 / 2

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GENERAL

- ❑ **TYPE** IEC 61754-20 (LC)
Multimode Zirconia Ø1,25 ferrule
RJ -45 latching connector system
- ❑ **FERRULE SIZE** 128 µm
- ❑ **FIBER SIZE** 62,5/125µm multimode
- ❑ **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 178 006 to be ordered separately.

CHARACTERISTICS (Depending on fibre or cable construction)

- ❑ **OPTICAL** Attenuation at 850 nm and 1300 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	> 20dB

- ❑ **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)