



RADIALL
Optical Fiber Components

TECHNICAL DATA SHEET

F727.103.100

LC SIMPLEX PC MULTIMODE OPTICAL PLUG
FOR A Ø900 µM CABLE

Packaging
100

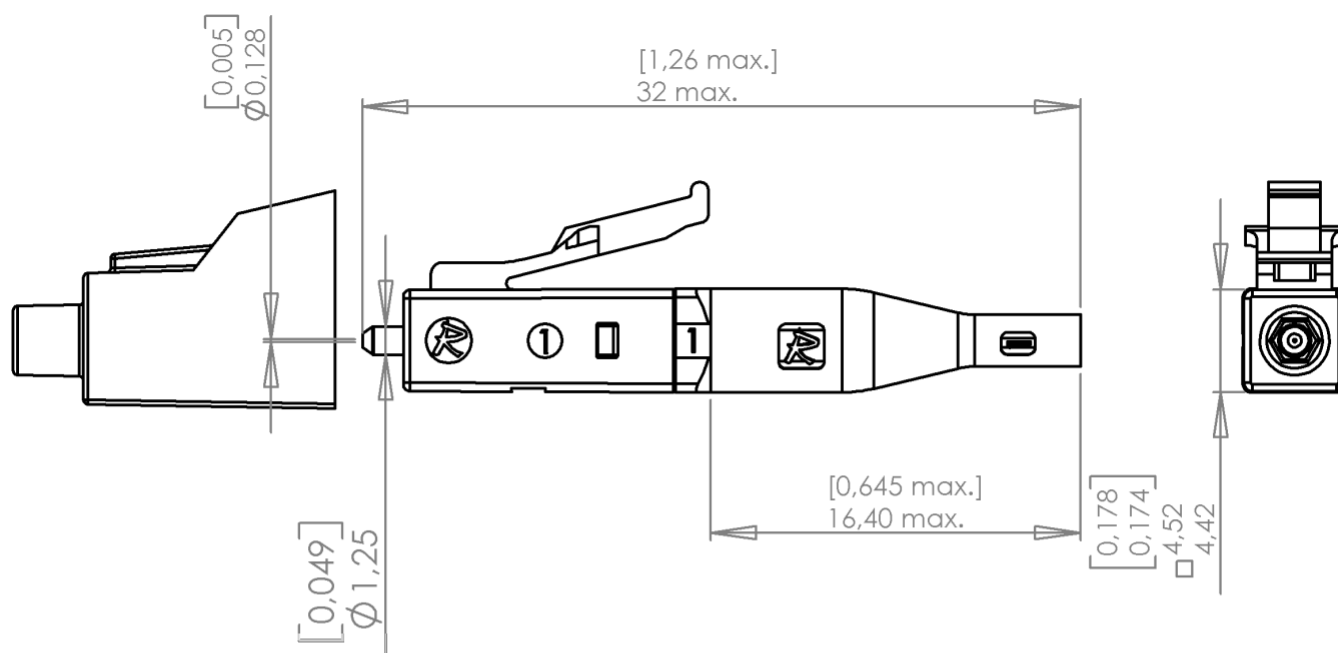
Series
LC

Issue
25 Feb 09

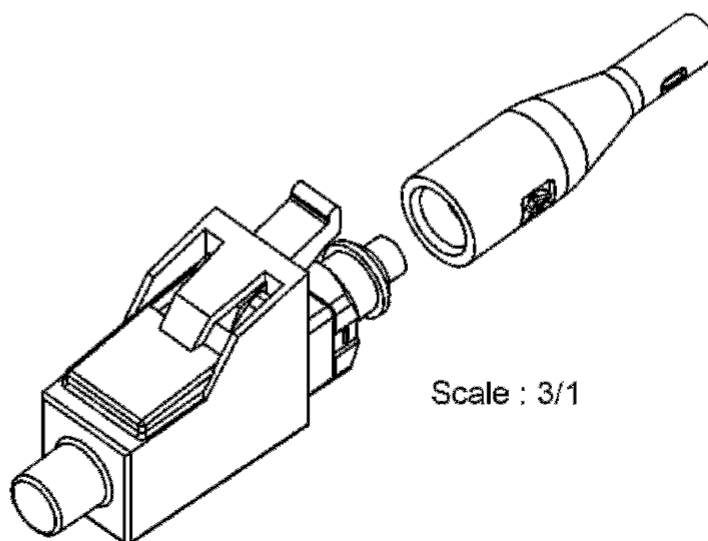
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Outer plug body : color BEIGE

Monobloc



Scale : 1/1



Scale : 3/1

Original dimensions in mm [inch]

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GENERAL

- ❑ **TYPE** IEC 61754-20 (LC)
Multimode Zirconia ferrule
RJ -45 latching connector system
- ❑ **FERRULE SIZE** 128 µm
- ❑ **FIBER SIZE** 50/125 or 62,5/125µm multimode
- ❑ **CABLE SIZE & TYPE** Ø 0,9 mm Simplex
- ❑ **CABLING PROCEDURE** Refer to 503.08.500 assembly instruction manual

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 : IEC 61300-3-6

	RL
PC	> 20 dB

- ❑ **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, 168 Hr

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