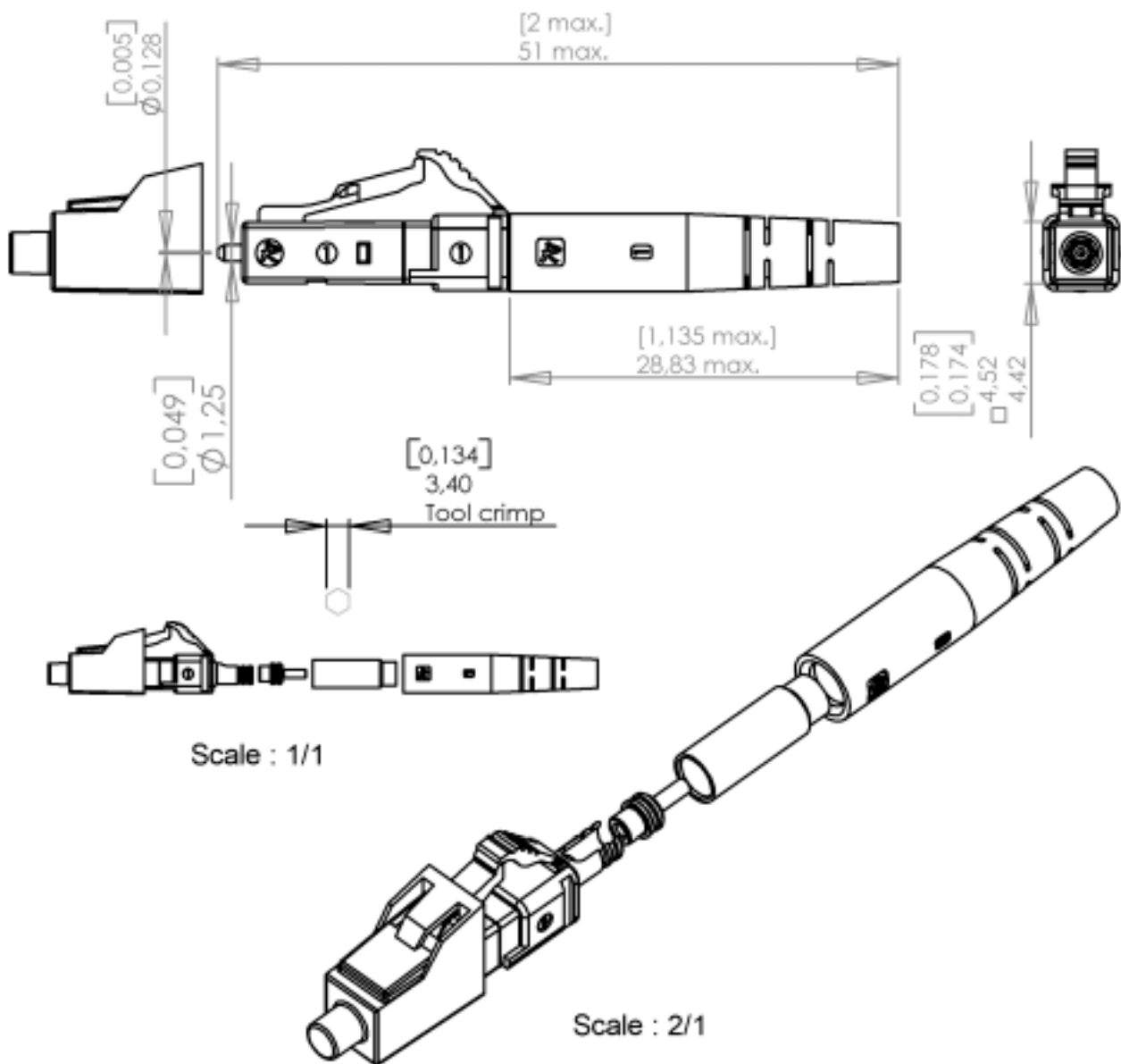


 RADIALL Optical Fiber Components	TECHNICAL DATA SHEET	F727.103.400			
LC SIMPLEX PC MULTIMODE OPTICAL PLUG FOR Ø1.6 MM CABLE		Packaging 100	Series LC	Issue 30 JAN 06	Page 1 / 2
Outer plug body : color BEIGE		Monobloc			



Original dimensions in mm [inch]

**LC SIMPLEX PC MULTIMODE OPTICAL PLUG
FOR Ø1.6 MM CABLE**
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Outer plug body : color BEIGE

Monobloc

GENERAL

- ❑ **TYPE** IEC 61754-20 (LC)
Multimode Zirconia ferrule
RJ –45 latching connector system
- ❑ **FERRULE SIZE** 128 µm
- ❑ **FIBER SIZE** 62,5/125µm multimode
- ❑ **CABLE SIZE & TYPE** Ø 1,6 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	68 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)