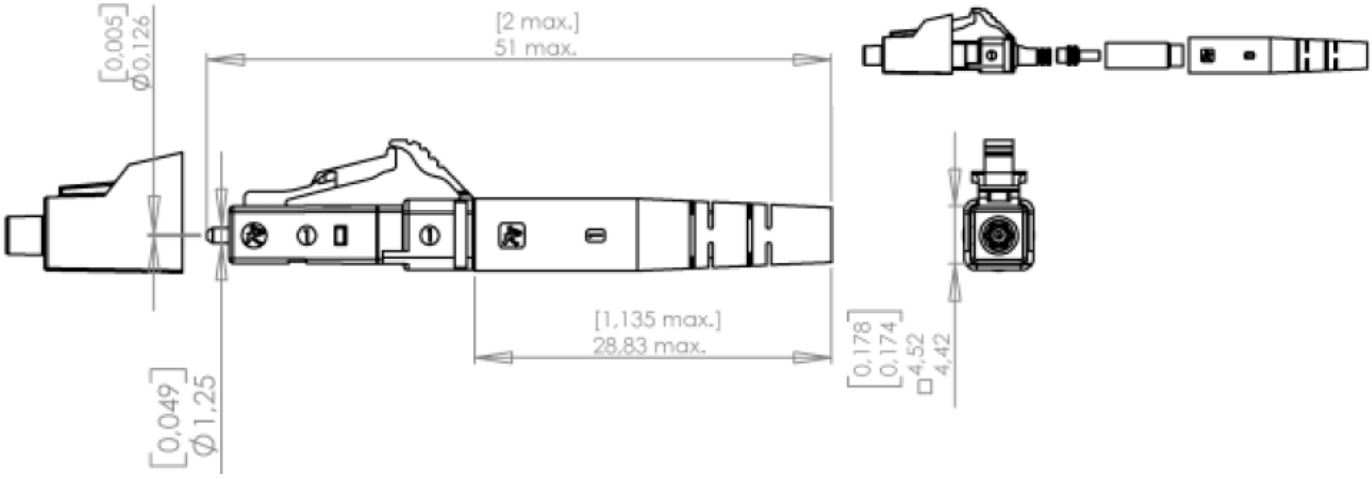
Technical Data Sheet

LC SIMPLEX SM PC 126µm C2mm /100

PAGE **1/1**	ISSUE **03-06-13**	SERIES **LC**	PART NUMBER **F727102500**



Dimensions: mm [inches]

GENERAL

Type: IEC 61754-20 (LC)
Singlemode Zirconia ferrule
RJ-45 latching connector system

Ferrule inner diameter: Ø126µm

Fiber size: Ø9/125µm Singlemode

Cable size & type: Ø2mm Simplex

Termination: Refer to 503.08.500 assembly instruction manual

Color: BLUE

CHARACTERISTICS (Dependent on cable or fiber construction)

Optical:

Attenuation at 1300nm and 1550nm Insertion loss (IEC 61300-3-4 method B) :	≤0.10dB Mean ≤0.05dB Stand.dev
Attenuation of random mated connectors (IEC 61300-3-4):	≤0.10dB Mean ≤0.07dB Stand.dev
Return loss (IEC 61300-3-6) :	>35dB PC >40dB SPC >50dB UPC

Mechanical:

Vibration tests:	10 to 55 Hz, 1.5mm (peak to peak), 2Hr/axis
Impact test:	1.5m drop, 8 cycles
Endurance :	200 matings
Cable retention :	68 N

Environmental:

Storage temperature range:	-40°C / +85°C
Operating temperature range:	-40°C / +70°C
Thermal cycle test:	-40°C / +75°C, 21 Cycles, 168Hr
Humidity/Condensation cycling test:	95%RH, -10°C / +65°C, 14 cycles, 168Hr

(Performance and specification: see document **GEN_F727 001)**

This document contains proprietary information and such information shall not be disclosed to any third party for any purpose whatsoever or used for manufacturing purposes without prior written agreement from Radiall. The data defined in this document are given as an indication ;, in the effort to improve our products, we reserve the right to make any changes judged necessary.