

LC SIMPLEX APC SINGLEMODE OPTICAL PLUG  
 FOR Ø2.0 MM CABLE

 Packaging  
 100

 Series  
 LC

 Issue  
 30 JAN 06

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Outer plug body : color GREEN

Monobloc



Original dimensions in mm [inch]

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**GENERAL**

- ❑ **TYPE** IEC 61754-20 (LC )  
Singlemode Zirconia ferrule  
RJ -45 latching connector system
- ❑ **FERRULE SIZE** 125,3 µm
- ❑ **FIBER SIZE** 9/125µm singlemode
- ❑ **CABLE SIZE & TYPE** Ø 2 mm Simplex
- ❑ **CABLING PROCEDURE** Refer to 503.08.500 assembly instruction manual

**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               | ≤0.15 dB |
| Standard deviation | ≤0.10 dB |

Attenuation of random mated connectors : IEC 61300-3-34

| PARAMETER          | STD       |
|--------------------|-----------|
| Mean               | ≤0.15 dB  |
| Standard deviation | ≤ 0.07 dB |

Return-Loss Maximum loss variation : IEC 61300-3-6

| RL  |      |
|-----|------|
| APC | > 60 |

- ❑ **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)*