SPECIFICATIONS

<table>
<thead>
<tr>
<th></th>
<th>MULTIMODE 0° PC</th>
<th>SINGLE MODE 0° PC</th>
<th>SINGLE MODE 8° APC</th>
<th>UNITS</th>
<th>TEST CONDITIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insertion Loss (IL)</td>
<td>typ. 0.15, max. 0.4</td>
<td>typ. 0.2, max. 0.4</td>
<td>typ. 0.2, max. 0.4</td>
<td>dB</td>
<td>IEC 61300-3-4; λ = 1300/1550nm</td>
</tr>
<tr>
<td>Return Loss (RL)</td>
<td>min. 40</td>
<td>typ. 50</td>
<td>min. 70*</td>
<td>dB</td>
<td>IEC 61300-3-6; λ = 1300/1550nm</td>
</tr>
<tr>
<td>Repeatability of IL</td>
<td>max. ≤0.1</td>
<td></td>
<td></td>
<td>dB</td>
<td>IEC 61300-2-2; λ = 1300/1550nm</td>
</tr>
<tr>
<td>Service life</td>
<td>1000 mate/demate cycles</td>
<td></td>
<td></td>
<td></td>
<td>According to field experience</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-40°/85°C**</td>
<td></td>
<td></td>
<td>°C</td>
<td></td>
</tr>
<tr>
<td>Storage temperature</td>
<td>-40°/90°C**</td>
<td></td>
<td></td>
<td>°C</td>
<td></td>
</tr>
</tbody>
</table>

* Measured with high precision reflectometer HP 8504A
** May be further limited by cable specifications

APPLICATIONS

- Telecommunications, CATV, LAN, MAN, WAN, Test & Measurement, Industry, Medical, Sensors

STANDARDS

- IEC 61 754-3 "Fiber optic connector interface-Type LSA connector family"
- CECC 86 135-801 (Type LSA)
- CECC 86 135-802 (Type LSA-HRL)

DESIGN/MATERIALS

- Ferrule: ∅ 2.5 mm, spring loaded (15 N), anti-rotation keyed
- Adaptor: Floating zirconia resilient sleeve with copper-nickel alloy housing
- Cable retention: Decoupled from ferrule on cables with ∅ ≤ 3.5 mm

AVAILABLE AS

- Terminated connector
- Connector set, (to be terminated with Diamond special equipment)

CONNECTOR TYPES AND DIMENSIONS

LSA (DIN) connectors 900 µm - 3 mm boot style

Available types:
- LSA (DIN) PC
- LSA (DIN) APC

Ferrule material: Zirconia/metal insert
External parts: Ni-plated brass

Specifications subject to change without notice
LSA (DIN) connectors 900 µm - 3 mm 90° boot style

ADAPTER TYPE AND DIMENSIONS

LSA (DIN) mating adapter

NOTE Diamond’s standard boot colors are as follows: Black for MM PC 50µm, Beige for MM PC 62.5µm, Blue for SM PC, and Green for SM APC. Other colors are available upon request.

ORDER INFORMATION

Please refer to the part numbers provided in the separate P/N list. For other configurations, please contact your nearest local Diamond representative or fill in the contact form available on the www.diamond-fo.com website.