



## LCS SD 400

### Technical Specification

#### Performance

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|                 |                        |
|-----------------|------------------------|
| Rate            | 1.5-52Mbps             |
| Protocol        | N × E1/T1, OC 1, STM-0 |
| Effective Range | up to 4,000m           |

#### Transmitter

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|                                    |              |
|------------------------------------|--------------|
| Wavelength                         | 800~820nm    |
| Laser Type                         | GaAlAs Laser |
| Transmit Beam Diameter at Aperture | 34mm × 3     |
| Transmit Beam Divergence           | 2mrad        |
| Output Power                       | 100mW × 3    |

#### Receiver

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|                             |               |
|-----------------------------|---------------|
| Detector Type               | APD           |
| Bit Error Rate              | $< 10^{-9}$   |
| Optical Sensitivity         | -40dBm        |
| Dynamic Range               | 25 ... -34dBm |
| Receiving Area              | 190mm         |
| Allowable Mispointing Angle | 0.5mrad       |

#### Fiber Optic Interface

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|                  |                                  |
|------------------|----------------------------------|
| Fiber Type       | Single Mode/Multi Mode           |
| Bandwidth Option | 52Mbps/1E1 ~ 16E1(120Ω/75Ω)      |
| Input Connection | SC Type/4wire(120Ω)/coaxial(75Ω) |
| Wavelength       | 1310nm                           |

#### Mechanical Design and Power

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|                       |                      |
|-----------------------|----------------------|
| Operating Temperature | -30°C to 50°C        |
| Dimensions[mm] H×W×D  | 280×740×330          |
| Weight(kg)            | 24kg                 |
| Input Power Line      | AC 110/220V, 50~60Hz |

#### Diagnostics

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|                     |                                |
|---------------------|--------------------------------|
| Indicators Selector | Receive Signal Strength/Power  |
| SNMP                | SNMP based management software |