



LCS SD 300

Technical Specification

Performance

Rate	1.5-52Mbps
Protocol	N × E1/T1, OC 1, STM-0
Effective Range	up to 3,000m

Transmitter

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

Receiver

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

Interface

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

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

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