



LCS ST 050

Technical Specification

Performance

Rate	155Mbps
Protocol	STM-1, OC-3, ATM
Effective Range	up to 500m

Transmitter

Wavelength	800~820nm
Laser Type	GaAlAs Laser
Transmit Beam Diameter at Aperture	64mm
Transmit Beam Divergence	4mrad
Output Power	30mW

Receiver

Detector Type	APD
Bit Error Rate	$< 10^{-9}$
Optical Sensitivity	-34dBm
Dynamic Range	25 ...34dBm
Receiving Area	64mm
Allowable Mispointing Angle	0.90mrad

Fiber Optic Interface

Fiber Type	Single Mode
Bandwidth Option	155Mbps
Input Connection	SC Type
Wavelength	1310nm

Mechanical Design and Power

Operating Temperature	-30° C to 50° C
Dimensions[mm] H×W×D	150×580×170
Weight(kg)	14kg
Input Power Line	AC 110/220V, 50~60Hz

Diagnostics

Indicators Selector	Receive Signal Strength/Power
---------------------	-------------------------------