

Super SFP LR-Lite 25G Optical Transceiver



OVERVIEW

Luxshare-TECH 25Gbps S-SFP optical transceiver is designed for 25G Ethernet links with very high port density based on the new electrical and mechanical specification for the SFF-8431 and SFF-8432 respectively. The transceiver utilizes 1310nm DFB and PIN Detect technology to provide the 300m link on SMF.

FEATURES & BENEFITS

- ◆ Hot Pluggable SFP form factor
- ◆ Supports 25.78125Gbps
- ◆ Up to 300m transmission with single-Mode fiber
- ◆ 1310nm DFB Laser/PIN Photo Detector
- ◆ Low Power Dissipation, MAX 1.2W
- ◆ Operating Case Temperature: -40°C to +85°C

PRODUCT APPLICATIONS

Ethernet for 25GBASE-LR
InfiniBand EDR
Proprietary Interconnections

Super SFP LR-Lite 25G Optical Transceiver

TECHNICAL INFORMATION

MATERIAL

Nickel plated zinc die cast shells & latching
Mechanism parts
Optical plastic lens

ELECTRICAL PERFORMANCE

Power Supply Voltage: 3.3V (3.14 to 3.46V)
Data rate per lane: 25.78125Gbps
Power Consumption: 1.2W(MAX)
Transmitter Type: DFB
Receiver Type: PIN

SPECIFICATIONS

SFF-8419: Low Speed Electrical
SFF-8432: Pluggable Module
SFF-8472: Management Interface
GR-468: Reliability Qualification
IEEE 802.3by: Physical Layer Specifications and Management Parameters
ROHS-6: Environment Safety
ES-12-00-0009

Partial PN Table

PN	Package	Description	Reach	Protocol Support	Data Rate	Temp	Power Consumption	Optical Connector	Transceiver	Receiver	WaveLength
PA02SSA1H-NC-R	S-SFP	LR-Lite	300m (SMF)	Ethernet	25Gbps	-40-85°C	1.2W	LC	DFB	PIN	1310nm

MECHANICAL PERFORMANCE

SFP Module Insertion: 18N(MAX)
SFP Module Extraction: 12.5N(MAX)
SFP Module Retention: 90N to 170N
Insertion and removal cycles: 50Cycles

ENVIRONMENTAL

Storage Temperature Range: -40°C to +85°C
Operating Temperature Range: -40°C to +85°C
Relative Humidity: 0 to 85%