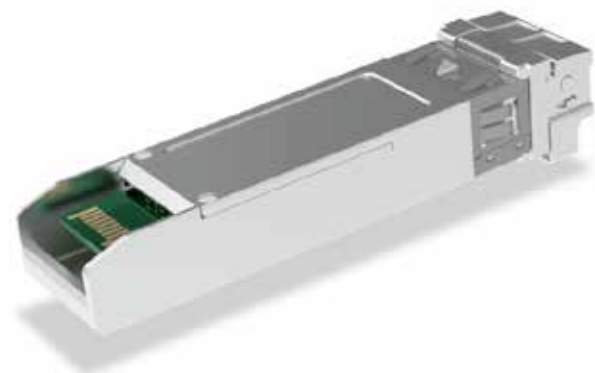


Super SFP LR-Lite 25G Optical Transceiver

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 10km 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

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

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%

SPECIFICATION

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