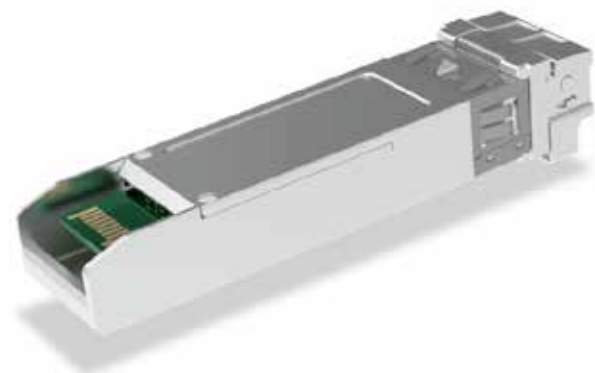


## Super SFP LR 25Gbps Optical Transceiver

### 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 10km 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
PA02SSD0H-NC-R	S-SFP	LR	10KM	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

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-12-00-0010