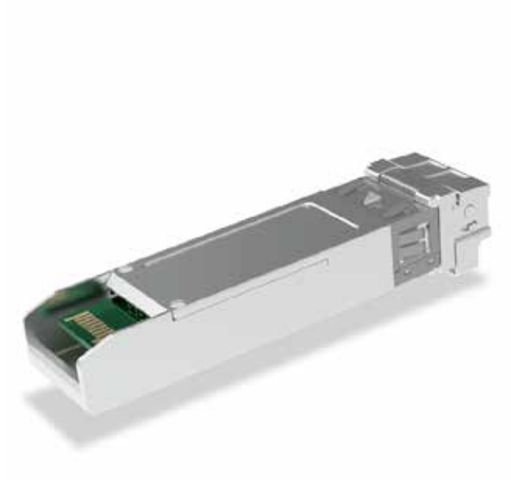
Super SFP BIDI 25G Optical Transceiver



OVERVIEW

Luxshare-TECH 25Gbps S-SFP BIDI optical transceiver is designed for 25G Ethernet links with very high port densi ty based on the new electrical and mechanical specifica tion for the SFF-8431 and SFF-8432 respectively. The transceiver utilizes 1330/1270nm DFB and PIN Detect technology to provide the 10km link on single-strand SMF.

FEATURES & BENEFITS

- Hot Pluggable SFP form factor
- Supports 25.78125Gbps
- Up to 10km transmission with single-Mode fiber
- DFB Laser/PIN Photo Detector
- Low Power Dissipation, MAX 1.5W
- Single LC optical connector
- 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: 1.5W(MAX)
Transmitter Type: DFB
Receiver Type: PIN

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: 0°C to +70°C/ -40°C to +85°C
Relative Humidity: 0 to 85%

SPECIFICATION

SFF-8419: Low Speed Electrical
SFF-8432: Pluggable Module
SFF-8472: Management Interface
Compliant to Class 1 Laser Safety
GR-468: Reliability Qualification
IEEE 802.3cc: Physical Layer Specifications and Management Parameters
ROHS-6: Environment Safety
ES-12-00-0007

Partial PN Table

PN	Package	Description	Reach	Protocol Support	Data Rate	Temp	Power Consumption	Optical Connector	Transceiver	Receiver	WaveLength
PA02SSD04-NC-R	S-SFP	BIDI	10KM	Ethernet	25Gbps	0-70°C	1.5w	Single-LC	DFB	PIN	T1270/R1330nm
PA02SSD14-NC-R	S-SFP	BIDI	10KM	Ethernet	25Gbps	0-70°C	1.5w	Single-LC	DFB	PIN	T1330/R1270nm
PA02SSD1H-NC-R	S-SFP	BIDI	10KM	Ethernet	25Gbps	-40-85°C	1.5w	Single-LC	DFB	PIN	T1270/R1330nm
PA02SSD2H-NC-R	S-SFP	BIDI	10KM	Ethernet	25Gbps	-40-85°C	1.5w	Single-LC	DFB	PIN	T1330/R1270nm