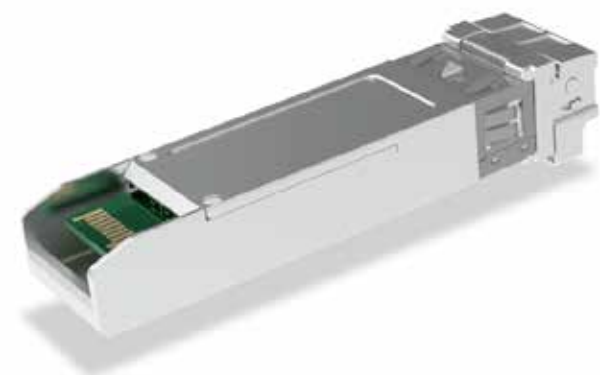


Super SFP SR 25Gbps Optical Transceiver

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 respective ly. The transceiver utilizes 850nm VCSEL and PIN Detect

FEATURES & BENEFITS

- Hot Pluggable SFP form factor
- Supports auto-rate detection for both 25.78125Gbps and 10.3125Gbps operation
- Up to 70m transmission with OM3 multimode fiber
- Up to 100m transmission with OM4 multimode fiber
- 850nm VCSEL Laser/PIN Photo Detector
- Low Power Dissipation, MAX 0.8W
- Operating Case Temperature: 0°C to +70°C

PRODUCT APPLICATIONS

Ethernet for 25/10GBASE-SR
InfiniBand EDR, FDR, QDR
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: 0.8W(MAX)
Transmitter Type: VCSEL
Receiver Type: PIN

Partial PN Table

PN	Package	Description	Reach	Protocol Support	Data Rate	Temp	Power Consumption	Optical Connector	Transceiver	Receiver	WaveLength
PA02SMA01-SD-R	S-SFP	SR	70m(OM3)/100m(OM4)	Ethernet	25Gbps	0-70°C	0.8w	LC	VCSEL	PIN	850nm
PCR2SMA02-SD-R	S-SFP	SW	70m(OM3)/100m(OM4)	Fiber Channel	28Gbps	0-70°C	0.8w	LC	VCSEL	PIN	850nm

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
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-12-00-0011