

SFP+ 10G LR Optical Transceiver



OVERVIEW

Luxshare-TECH 10Gbps SFP+ optical transceiver is designed for 10G 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 10.3125Gbps
- ◆ Low Power Dissipation, MAX 1.2W
- ◆ Operating Case Temperature: 0°C to +70°C / -40°C to +85°C
- ◆ Up to 10km transmission with SMF

PRODUCT APPLICATIONS

Ethernet for 10GBASE-LR
InfiniBand QDR, DDR, SDR

SFP+ 10G LR 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: 10.3125Gbps
Power Consumption: 1.2W(MAX)
Transmitter Type: DFB
Receiver Type: PIN

SPECIFICATIONS

SFF-8472 Management Interface
SFF-8432: Pluggable Module
SFF-8431: General Electrical
GR-468: Reliability Qualification
IEEE 802.3ae: Physical Layer Specifications and Management Parameters
ROHS-6: Environment Safety
ES-12-00-0004

MECHANICAL PERFORMANCE

SFP Module Insertion: 18N(MAX)
SFP Module Extraction: 12.5N(MAX)
SFP Module Retention: 90N(MIN)
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%

Partial PN Table

PN	Package	Description	Reach	Protocol Support	Data Rate	Temp	Power Consumption	Optical Connector	Transceiver	Receiver	WaveLength
PA01SSD01-NC-T	SFP+	LR	10KM	Ethernet	10Gbps	0-70°C	1.2W	LC	DFB	PIN	1310nm
PA01SSD1H-NC-T	SFP+	LR	10KM	Ethernet	10Gbps	-40-85°C	1.2W	LC	DFB	PIN	1310nm