

SFP+ 10G Active Optical Cable

OVERVIEW



Luxshare-TECH 10Gbps SFP+ active optical cable can provide good performance and quality.

Luxshare-TECH 10Gbps SFP+ active optical cable 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 SFP+ AOC cable length can be customized to various length. The AOCs can provide the improved signal integrity, longer distance, lower dissipation and better bit error rate performance.

FEATURES & BENEFITS

- Hot Pluggable SFP+ Cable End
- Supports 10.3125Gbps per channel
- Low Power Dissipation, MAX 0.8W Each End
- Operating Case Temperature: 0°C to +70°C

PRODUCT APPLICATIONS

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

TECHNICAL INFORMATION

MATERIAL

Nickel plated zinc die cast shells & latching
Mechanism parts
Thermoplastic cable pull tab
Optical plastic lens
Optical fibre cable

MECHANICAL PERFORMANCE

SFP Module Insertion: 18N(MAX)
SFP Module Extraction: 12.5N(MAX)
SFP Module Retention: 90N(MIN)
Insertion and removal cycles: 50Cycles
Cable outer Diameter: 2.9 to 3.0mm

ELECTRICAL PERFORMANCE

Power Supply Voltage: 3.3V (3.14 to 3.46V)
Data rate per lane: 25.78125Gbps
Power Consumption: 3.5W(MAX)
Transmitter Type: VCSEL
Receiver Type: PIN

ENVIRONMENTAL

Storage Temperature Range:-40°C to +85°C
Operating Temperature Range:0°C to +70°C
Relative Humidity:0 to 85%

SPECIFICATION

Compliant to OSFP Rev 2.0
SFF-8636 Management Interface
SFF-8679: General Electrical
IEEE 802.3bm: Physical Layer Specifications and Management Parameters
ROHS-6: Environment Safety
ES-12-00-0030

Partial PN Table

PN	Package	Description	Reach	Protocol Support	Data Rate	Temp	Power Consumption	Optical Connector	Transceiver	Receiver	WaveLength
PA0SS1102-SD-T	SFP+	AOC	0.5m	Ethernet	10Gbps	0-70°C	0.8W	NA	VCSEL	PIN	850mm
PA0SS1101-SD-T	SFP+	AOC	1m	Ethernet	10Gbps	0-70°C	0.8W	NA	VCSEL	PIN	850mm
PA0SS1201-SD-T	SFP+	AOC	2m	Ethernet	10Gbps	0-70°C	0.8W	NA	VCSEL	PIN	850mm
PA0SS1301-SD-T	SFP+	AOC	3m	Ethernet	10Gbps	0-70°C	0.8W	NA	VCSEL	PIN	850mm
PA0SS1401-SD-T	SFP+	AOC	5m	Ethernet	10Gbps	0-70°C	0.8W	NA	VCSEL	PIN	850mm
PA0SS1501-SD-T	SFP+	AOC	7m	Ethernet	10Gbps	0-70°C	0.8W	NA	VCSEL	PIN	850mm
PA0SS1601-SD-T	SFP+	AOC	10m	Ethernet	10Gbps	0-70°C	0.8W	NA	VCSEL	PIN	850mm
PA0SS1701-SD-T	SFP+	AOC	15m	Ethernet	10Gbps	0-70°C	0.8W	NA	VCSEL	PIN	850mm
PA0SS1801-SD-T	SFP+	AOC	20m	Ethernet	10Gbps	0-70°C	0.8W	NA	VCSEL	PIN	850mm
PA0SS1901-SD-T	SFP+	AOC	30m	Ethernet	10Gbps	0-70°C		NA	VCSEL	PIN	850mm