

25G SFP28 LR 10km Transceiver



S-SFP-25G-LR

Quick Facts

- For 25GBASE-LR Ethernet links
- 25.78 Gbit/s
- Up to 10 km via Singlemode OS2
- LC-Duplex Connector
- Integrated Clock-Data-Recovery (CDR)

Applications

- 25GBase-LR Ethernet
- 10GBase-LR Ethernet

Description

S-SFP-25G-LR SFP28 transceiver modules are designed for use in 25 Gigabit Ethernet links over singlemode fiber (SMF) for a max. distance of 10 km. They are compliant with the SFP28 MSA and IEEE 802.3cc **25GBASE-LR** standard. Digital Diagnostics Management is available. The optical transceiver is compliant per the RoHS Directive 2011/65/EU4.

Specifications

General			
Form Factor	SFP28	Connector / Polish	LC-Duplex PC
Interface	Singlemode	Type	LR
Bandwidth	25.78 Gbit/s	Distance	10 km
Temperature Range	0°C – 70°C	Power Consumption	1.5 W
DDM	Yes, internally calibrated	CDR	TX and RX
SGMII	No	Inbuilt FEC	No

Optical			
Wavelength Tx (typical)	1310 nm	Wavelength Rx (typical)	1310 nm
Transmit min / max	-6.5 dBm / 2 dBm	Receiver min / max	-9.6 dBm / 2.5 dBm (overload)
Power Budget	3.1 dB	Receiver Type	PIN
Laser	DFB	Modulation	NRZ
Transmit and Dispersion Penalty	2.7 dB	Extinction Ratio	3.5 dB



Protocols	
• 10G Ethernet	
• 25G Ethernet	

Warranty

The Switch2Open transceivers include a 1-year limited hardware warranty, which covers parts, repair, or replacement after the unit is received.

Support & Services

Additional support levels including next business day advance replacement are available on demand.

Ordering Information

Part Number	Description
S-SFP-25G-LR	25G SFP28 LR Transceiver, 1310nm, LC, 10km