

S10G-L40-I-CHXX

SFP+ 10GE LR DWDM DDM 40km I-Temp DWDM 100GHz C-band 15dB SM

1. Product overview

Hot-pluggable SFP+ optical transceiver for DWDM links up to 40 km over single-mode fiber. Duplex LC connectivity and a single +3.3 V supply support deployment in optical networks. Digital diagnostic monitoring provides operating information.

2. Key features

- 9.95-11.3 Gb/s bit-rate support
- 40 km SMF reach; duplex LC connector
- DWDM EML transmitter; APD receiver
- 100 GHz ITU grid, C-band
- Digital Diagnostic Monitoring; RoHS compliant

3. Applications

10GBASE-ZR/ZW Ethernet; SONET OC-192/SDH; DWDM networks.

4. Technical data

Parameter	Specification
Form factor	SFP+; hot-pluggable
Supported bit rate	9.95-11.3 Gb/s
Fiber type	Single-mode fiber
Optical connector	Duplex LC
Maximum reach	40 km
Nominal power supply	+3.3 V
Power consumption	<1.5 W
Wavelength grid	100 GHz ITU grid, C-band

5. Recommended operating conditions

Parameter	Specification
Operating case temperature	-40 to +80°C
Power supply	+3.3 V

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6. Optical characteristics

Parameter	Specification
Wavelength range / band	C-band
Transmitter type (features)	DWDM EML
Receiver type	APD
TX power	+1 to +2 dBm
Receiver sensitivity (product page)	< -15.5 dBm
Optical power budget	15 dB
Maximum transmission distance	40 km SMF
Channel spacing	100 GHz

7. Digital diagnostics and management

Two-wire management interface compliant with SFF-8472 digital diagnostic monitoring specifications.

The sources do not list individual diagnostic thresholds or monitoring accuracy.

8. Safety and regulatory

SFF-8472 digital diagnostic interface; RoHS. Laser safety class and numerical ESD ratings are not specified in the supplied sources.

9. Ordering information

Parameter	Specification
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Related identifier in linked family PDF	SFP-10G-L40-I-CHxx