S25G-BXI30D-23

SFP28 BiDi 25GbE DDM SM 30km Tx/Rx=1270/1330nm 16dB, I-temp

1. Product overview

SFP28 BiDi product with hot-pluggable SFP+ footprint, DFB transmitter and PIN photodiode receiver, supporting 30 km over SMF.

2. Key features

- 30 km SMF transmission
- Simplex LC optical interface
- Digital Diagnostic Monitoring (DDM)
- Hot-pluggable form factor; single +3.3 V supply

3. Applications

25GBASE-LR

4. Technical data

Parameter	Specification
Data rate	Up to 25.78 Gb/s
Fiber	Single-mode fiber
Connector	Simplex LC
Power consumption	Not specified

5. Recommended operating conditions

Parameter	Specification
Case/Operating temperature	-40 to +85°C
Nominal supply	+3.3 V
Maximum reach	30 km

S25G-BXI30D-23

6. Optical characteristics

Parameter	Specification
TX output power	0 to +6 dBm
TX wavelength	1270 nm
RX wavelength	1330 nm
Receiver sensitivity	< -16.8 dBm
Power budget	16 dB

7. Digital diagnostics and management

Parameter	Specification
Digital diagnostic monitoring	Real-time DDM supported

8. Safety and regulatory

SFP+ MSA; SFF-8472; RoHS.

9. Ordering information

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