

# S25G-BX30D-23

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

## 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 temperature | 0 to +70°C    |
| Nominal supply   | +3.3 V        |
| Maximum reach    | 30 km         |

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## 6. Optical characteristics

| Parameter             | Specification |
|-----------------------|---------------|
| TX output power       | 0 to +6 dBm   |
| TX wavelength         | 1270 nm       |
| RX wavelength (title) | 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

| Parameter     | Specification                                       |
|---------------|-----------------------------------------------------|
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