

SFP+ 10G DWDM 80km E-temp Transceiver

Features

- Up to 10.3Gb/s bi-directional data links
- 100GHz ITU Grid, C-Band
- Up to 80km on 9/125 μ m SMF
- Electrical interface specifications per SFF-8431
- Management interface specifications per SFF-8431 and SFF-8472
- SFP+ MSA package with duplex LC connector
- DWDM-rated EML Transmitter
- Single +3.3V power supply
- Class 1 laser safety certified
- Operating temperature: 0°C to +70°C commercial, and -5°C to +85°C extended temperature
- RoHS Compliant



Applications

- 10G Ethernet 10GBASE-ZR/ZW
- 80km 10G DWDM Network

Compliances

- Compliant to SFF-8402, SFF-8432.
- Compliant to IEEE802.3ba
- DDM Compliant with SFF-8472 SFP+ MSA.
- RoHS Compliant6



Environmental Specifications

| Parameter | Min. | Typ. | Max. | Unit |
|-----------------------|------|-------|------|------|
| Operation Temperature | -5 | | +85 | °C |
| Storage Temperature | -40 | ----- | +85 | °C |
| Operation Humidity* | 5 | ----- | 85 | % |
| Storage Humidity | 5 | ----- | 85 | % |

(*) not condensing

Operating Specifications

| Parameter | Min. | Typ. | Max. | Unit |
|-----------------------|-------|------|--------|------|
| Supply Voltage | 3.135 | +3.3 | +3.465 | V |
| Power Dissipation | | | 1.8 | W |
| Transmission Distance | | | 80 | Km |

Optical Specifications

Transmitter:

| Parameter | Min. | Typ. | Max. | Unit |
|------------------------------------|---------|------|---------|------|
| Wavelength | 1528.77 | - | 1563.86 | nm |
| Average Optical Power | 0 | | 4 | dBm |
| Optical Modulation Amplitude, 25GE | -2 | | | dBm |
| Side Mode Suppression Ratio | 30 | | | dB |
| Extinction Ratio (ER) | 9 | | | dB |
| Transmitter and Dispersion Penalty | | | 3 | dB |
| Optical Return Loss Tolerance | | | 21 | dB |

Receiver:

| Parameter | Min. | Typ. | Max. | Unit |
|-----------------------|------|------|------|------|
| Input Wavelength | 1528 | - | 1565 | nm |
| Receiver Sensitivity | | | -23 | dBm |
| OSNR | 27 | | | dB |
| Max OSNR Path Penalty | | | 4 | dB |
| LOSA | -35 | | | dBm |
| LOSD | | | -25 | dBm |
| Hysteresis | 0.5 | | | dB |

Ordering information

| Jabil Part Number | Package | Rate | Reach | Other info |
|-------------------|---------|------|-------|------------|
| JPSP10ZRLCE000Dxx | SFP+ | 10G | 80Km | DDM/RoHS |

xx = channel number (100GHz grid)

Contact information

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