

## 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 $\mu$ 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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