

# PRE-SFP10G-Dxx-80

SFP+, ZR, DWDM 100GHz, 10G, 80km, High Temperature



## Product Features:

- Available in 92°C or 95°C operating temperatures
- EML Transmitter
- APD Receiver
- ITU Channels 18-61 Available
- SMF Transmission Medium
- LC/UPC Connector
- Digital Diagnostics Monitoring (DDM)
- 11.3Gbps Maximum Data Rate



## Product Applications:

- Backhaul Networks
- 10GBASE-ZR Ethernet
- WAN Networks

## Standards:

- SFF-8431/8432/8472
- RoHS

## General Specifications

Parameter	Min	Typical	Max	Unit
Case Operating Temperature (H-Temp)	-40	-	92	°C
Case Operating Temperature (U-Temp)	-40	-	95	°C
Power Consumption	-	-	2.8	W
Power Supply Voltage	3.14	3.3	3.46	V
Operating Humidity	5	-	90	%
Storage Temperature	-40	-	85	°C
Transmission Distance	-	-	80	km
Data Rate (Total)	-	10.3	11.3	Gbps

## Optical Characteristics: Transmitter

Parameter	Min	Typical	Max	Unit
Center Wavelength	1529	-	1562	nm
Transmit Power	-1	-	4	dBm
Spectral Width (20dB)	-	-	0.3	nm
Side Mode Suppression Ratio	30	-	-	dB
Extinction Ratio	8.2	-	-	dB
Dispersion Penalty	-	-	3	dB
Transmitter OFF Output Power	-	-	-30	dBm

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## Optical Characteristics: Receiver

Parameter	Min	Typical	Max	Unit
Receiver Wavelength	1528	-	1563	nm
Maximum Input Power	-6	-	-	dBm
Receiver Sensitivity	-	-	-24	dBm
LOS Assert	-35	-	-	dBm
LOS De-Assert	-	-	-24	dBm
LOS Hysteresis	0.5	-	5	dB

## Product Ordering Information

Part Number	Description
PRE-SFP10G-Dxx-80H	SFP+, ZR, DWDM 100GHz, 10G, 80km, SMF/LC, H-Temp
PRE-SFP10G-Dxx-80U	SFP+, ZR, DWDM 100GHz, 10G, 80km, SMF/LC, U-Temp

Note: "xx" = DWDM channel 18 – 61