

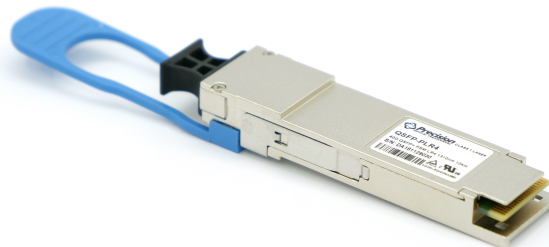
## PRE-QSFP-PLR4

QSFP, 1310nm, SMF, 10km, 40Gbps



### Product Features:

- DFB Transmitters
- PIN Receivers
- 4-Lane SMF Transmission Medium
- MPO-12 Connector Type
- Digital Diagnostics Monitoring (DDM)
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### Product Applications:

- 40G Ethernet

### General Specifications

Parameter	Symbol	Min	Typ	Max	Unit
Case Operating Temperature (Commercial)	$T_{op}$	0	-	70	°C
Power Consumption	$P_w$	-	-	3.5	W
Power Supply Current	$I_{cc}$	-	-	1100	mA
Power Supply Voltage	$V_{cc}$	3.135	3.3	3.465	V
Storage Humidity	$H_s$	0	-	85	%
Storage Temperature	$T_s$	-40	-	85	°C
Transmission Distance	TD	-	-	10	km
Data Rate (Total)	$DR_T$	-	41.25	44.8	Gbps
Data Rate (Per Lane)	$DR_{lane}$	-	10.3125	11.2	GBd

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**Optical Characteristics: Transmitter**

Parameter	Symbol	Min	Typ	Max	Unit
Center Wavelength	$\lambda_c$	1260	1310	1355	nm
Transmit Power per lane	$P_{OUT}$	-5.5	-	1.5	dBm
Side Mode Suppression Ratio	SMSR	30	-	-	dB
Dispersion Penalty per lane	DP	-	-	3.2	dB
Extinction Ratio	ER	3.5	-	-	dB
Relative Intensity Noise	RIN	-	-	-128	dB/Hz
Transmitter OFF Output Power per lane	$P_{OFF}$	-	-	-30	dBm

**Optical Characteristics: Receiver**

Parameter	Symbol	Min	Typ	Max	Unit
Receiver Wavelength	$\lambda_c$	1260	1310	1355	nm
Damage Threshold per lane	$P_D$	3.3	-	-	dBm
Receiver Sensitivity per lane	R	-	-	-12.6	dBm
LOS Assert	$LOS_A$	-	-	-15	dBm
LOS De-Assert	$LOS_D$	-30	-	-	dBm
LOS Hysteresis	$LOS_H$	0.5	-	-	dB

**Product Ordering Information**

Part Number	Description
PRE-QSFP-PLR4	QSFP, 1310nm, SMF, 10km, 40Gbps, C-Temp