

PRE-XFPM-ER, PRE-XFPM-ERI

XFP, 1550nm, SMF, 40km, 10Gbps



Product Features:

- 1550nm EML Transmitter
- PIN Receiver
- SMF Transmission Medium
- LC-UPC Connector Type
- Digital Diagnostics Monitoring (DDM)
- C-Temp and I-Temp Available
- Supports Bit Rates up to 11.3Gbps
- CDR Capable



Product Applications:

- 10G Ethernet
- SONET SDH
- OTN Transport

General Specifications

Parameter	Symbol	Min	Typ	Max	Unit
Case Operating Temperature (Commercial)	T_{op}	0	-	70	°C
Case Operating Temperature (Industrial)	T_{op}	-40	-	85	°C
Power Consumption	P_w	1.87	-	2.07	W
Power Supply Current	I_{cc}	-	-	600.0	mA
Power Supply Voltage	V_{cc}	3.13	-	3.45	V
Storage Humidity	H_s	5	-	95	%
Storage Temperature	T_s	-40	-	85	°C
Transmission Distance	TD	-	-	40	km
Data Rate (Total)	DR_T	9.95	-	11.3	Gbps

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Optical Characteristics: Transmitter

Parameter	Symbol	Min	Typ	Max	Unit
Center Wavelength	λ_c	1530.0	-	1570.0	nm
Transmit Power	P_{OUT}	-1.0	-	4.0	dBm
Side Mode Suppression Ratio	SMSR	30	-	-	dB
Extinction Ratio	ER	8.2	-	-	dB
Transmitter OFF Output Power	P_{OFF}	-	-	-30	dB

Optical Characteristics: Receiver

Parameter	Symbol	Min	Typ	Max	Unit
Receiver Wavelength	λ_r	1270	-	1610	nm
Input Saturation Power	P_{SAT}	0.5	-	-	dBm
Receiver Sensitivity	R	-	-	-16.5	dBm
LOS Assert	LOS_A	-32	-	-	dBm
LOS De-Assert	LOS_D	-	-	-18.0	dBm
LOS Hysteresis	LOS_H	0.5	-	-	dB

Product Ordering Information

Part Number	Description
PRE-XFPM-ER	XFP, 1550nm, SMF, 40km, 10Gbps, C-Temp
PRE-XFPM-ERI	XFP, 1550nm, SMF, 40km, 10Gbps, I-Temp