

PRE-XFP-SR, PRE-XFP-SRI
XFP, SR, 850nm, 10Gbps, 300m



Product Features:

- 850nm VCSEL Transmitter
- PIN Receiver
- MMF Transmission Medium
- LC-UPC Connector Type
- Digital Diagnostics Monitoring (DDM)
- C-Temp and I-Temp Available
- Supports Bit Rates up to 11.3Gbps
- <2W Power Dissipation



Product Applications:

- 10G Ethernet
- Fiber Channel

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	-	-	2	W
Power Supply Current	I_{cc}	-	-	600	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	-	-	300	m
Data Rate (Total)	DR_T	9.95	-	11.3	Gbps

Optical Characteristics: Transmitter

Parameter	Symbol	Min	Typ	Max	Unit
Center Wavelength	λ_c	840.0	850.0	860.0	nm
Transmit Power	P_{OUT}	-6.0	-	-1.0	dBm
Extinction Ratio	DP	-	-	3.9	dB
Relative Intensity Noise	ER	3.0	-	-	dB
Transmitter OFF Output Power	P_{OFF}	-	-	-30	dB

Optical Characteristics: Receiver

Parameter	Symbol	Min	Typ	Max	Unit
Receiver Wavelength	λ_r	840	-	860	nm
Input Saturation Power	P_{SAT}	0.5	-	-	dBm
Receiver Sensitivity	R	-	-	-10.0	dBm
LOS Assert	LOS_A	-30	-	-	dBm
LOS De-Assert	LOS_D	-	-	-12.0	dBm
LOS Hysteresis	LOS_H	0.5	-	-	dB

Product Ordering Information

Part Number	Description
PRE-XFP-SR	XFP, SR, 850nm, 11.3 Gbps, 300m, C-Temp
PRE-XFP-SRI	XFP, SR, 850nm, 11.3 Gbps, 300m, I-Temp