

PRE-SFP10G-SR, PRE-SFP10G-SRI
SFP+, 850nm, MMF, 300m, 10Gbps



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 11.1Gbps
- <1W 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	-	-	1	W
Power Supply Current	I_{cc}	-	-	300	mA
Power Supply Voltage	V_{cc}	3.14	3.3	3.46	V
Storage Humidity	H_s	5	-	95	%
Storage Temperature	T_s	-40	-	85	°C
Transmission Distance	TD	-	-	300	m
Data Rate (Total)	DR_T	-	10.3125	11.1	Gbps

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Optical Characteristics: Transmitter

Parameter	Symbol	Min	Typ	Max	Unit
Center Wavelength	λ_c	840	850	86	nm
Transmit Power	P_{OUT}	-6	-	-1	dBm
Extinction Ratio	ER	3	-	-	dB
Relative Intensity Noise	RIN			-128	dB/Hz

Optical Characteristics: Receiver

Parameter	Symbol	Min	Typ	Max	Unit
Receiver Wavelength	λ_r	770	850	860	nm
Input Saturation Power	P_{SAT}	0.5	-	-	dBm
Receiver Sensitivity	R	-	-	-10	dBm
LOS Assert	LOS_A	-30	-	-	dBm
LOS De-Assert	LOS_D	-	-	-12	dBm
LOS Hysteresis	LOS_H	0.5	-	-	dB

Product Ordering Information

Part Number	Description
PRE-SFP10G-SR	SFP+, 850nm, MMF, 300m, 10Gbps, C-Temp
PRE-SFP10G-SRI	SFP+, 850nm, MMF, 300m, 10Gbps, I-Temp