

PRE-SFP10G-Cxx-10, PRE-SFP10G-Cxx-10I
SFP+, CWDM, 1270 – 1610nm, SMF, 10km, 10Gbps



Product Features:

- DFB Transmitter
- PIN Receiver
- 20nm ITU CWDM Grid
- SMF Transmission Medium
- LC-UPC Connector Type
- Digital Diagnostics Monitoring (DDM)
- C-Temp and I-Temp Available
- Supports Bit Rates up to 11.3Gbps



Product Applications:

- 10G Ethernet
- CPRI
- Fiber Channel
- OTN Networks

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	-	-	1.5	W
Power Supply Current	I _{cc}	-	-	450	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	-	-	10	km
Data Rate (Total)	DR _T	-	10.3125	11.3	Gbps

Optical Characteristics: Transmitter

Parameter	Symbol	Min	Typ	Max	Unit
Center Wavelength	λ_c	$\lambda_c - 6.5$	-	$\lambda_c - 6.5$	nm
Transmit Power	P_{OUT}	-6	-	0.5	dBm
Spectral Width	σ	-	-	1	nm
Side Mode Suppression Ratio	SMSR	30	-	-	dB
Extinction Ratio	ER	3.5	-	-	dB
Transmitter OFF Output Power	P_{OFF}	-	-	-30	dBm

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	-	-	-14.4	dBm
LOS Assert	LOS_A	-30	-	-	dBm
LOS De-Assert	LOS_D	-	-	-17	dBm
LOS Hysteresis	LOS_H	0.5	-	-	dB

Product Ordering Information

Part Number	Description
PRE-SFP10G-Cxx-10	SFP+, CWDM, 1270 – 1610nm, SMF, 10km, 10-11.3Gbps, C-Temp
PRE-SFP10G-Cxx-10I	SFP+, CWDM, 1270 – 1610nm, SMF, 10km, 10-11.3Gbps, I-Temp

xx = 27 to 61