

4Gbps SFP Transceiver 1310nm FC/2FC/4FC 10km CLSFP4GLW

Product Features:

- Supports Data Rate up to 4.25Gbps
- Up to 10km transmission on SMF
- 1310nm laser and PIN receiver
- Compliant with Digital Diagnostic monitoring
- SFP MSA package with duplex LC connector
- Single +3.3V power supply
- Operating case temperature: 0~+70°C
- Compliant with SFP MSA Specification, SFF-8472 MSA
- Class 1 FDA and IEC60825-1 Laser Safety Compliant

Functional Characteristics (Optical)

The following tables list the performance specifications for the various functional blocks of the integrated optical transceiver module.

Table 1 – Transmitter Optical Specifications

Parameter	Symbol	Min.	Typical	Max.	Unit
Centre Wavelength	λ_0	1260	1310	1360	nm
Average Launch Power	Pout	-8	-	-1	dBm
Spectral Width (-20dB)	σ	-	-	1	nm
Average Output Power (Laser Turn off)	Pout-OFF	-	-	-30	dBm
Side Mode Suppression Ratio	SMSR	30	-	-	dB
Extinction Ratio	ER	4.5	-	-	dB
Rise/Fall Time (20%-80%)	Tr/Tf			90	ps
Output Optical Eye	Complies with ANSI FC-PI specification				
TX_Disable Assert Time	t_off			10	us
Pout@TX Disable Asserted	Pout	-	-	-45	dBm



Table 2 – Receiver Optical Specifications

Parameter	Symbol	Min.	Typical	Max.	Unit
Centre Wavelength	λ_0	1260		1600	nm
Receiver Sensitivity (4FC)	Pmin	-	-	-18.0	dBm
Receiver Sensitivity (2FC)	Pmin	-	-	-21.0	dBm
Receiver Sensitivity (FC)	Pmin	-	-	-22.0	dBm
Receiver Overload	Pmax	-1	-	-	dBm
Reflectance	Ref	-	-	-27	dB
LOS Assert	LOSA	-35	-	-	dBm
LOS De-Assert	LOSD	-	-	-19	dBm
LOS Hysteresis	LOSH	0.5	-		dB

Ordering Information

Table 3 - Ordering Information

Part No.	Data Rate	Laser	Fiber Type	Distance	Optical Interface	Temp	DDM
CLSFP4GLW	4.25Gbps	1310nm	SMF	10KM	LC Duplex	0~70°C	Y

CONTACT:

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