

16G FC 850nm 100m SFP+ Transceiver CLSFP16GSR

Product Features

- Up to 16 Gb/s bi-directional data links
- 35m with 50/125µm 2000MHz MMF
- 100m over M5E MMF (50/125um OM3)
- Metal enclosure, for lower EMI
- 850nm Oxide VCSEL laser transmitter
- Hot-pluggable SFP+ footprint
- Duplex LC connector
- RoHS
- Operating temperature: -5°C to 70°C
- Digital Diagnostic Monitor(DDM)



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_c	840	850	860	nm
Spectral Width (RMS)	σ			0.59	nm
Average Output Power	P _{out}	-5		2	dBm
Extinction Ratio	ER	4			dB
Average Launch Power of Off Transmitter	P _{off}			-30	dBm

Note 1: Average launch power, each lane (min) is informative and not the principal indicator of signal strength

Note 2: Transmitter reflectance is defined looking into the transmitt

Table 2 – Receiver Optical Specifications

Parameter	Symbol	Min.	Typical	Max.	Unit
Centre Wavelength	λ_c	840		860	nm
Unstressed Receiver OMA Sensitivity 4.25Gb/s 8.5 Gb/s 16Gb/s	PIN			-12 -11 -10	dBm
Receiver Overload	P _{max}	0			dBm
LOS De-Assert	LOSD			-13	dBm
LOS Assert	LOSA	-18			dBm
LOS Hysteresis		0.5			dB

Note 1: Measured with conformance test signal at TP3for the BER= 6.4x10-5.



Ordering Information

Table 3 - Ordering Information

Part No.	Data Rate	DDM	Wave	Fiber Type	Dist.	Temp.	Optical Interface
CLSFP16GSR	16G FC	Yes	850nm	SMF	100m	-5~70℃	LC

CONTACT:

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