6Gbps SFP+ 40km BiDi Transceiver

CLSF6GBD2740D

Product Features:

- Up to 6Gbps data links
- 40km with 9/125μm SMF
- 1270nm DFB laser
- PIN ROSA
- Simplex LC Connector
- Hot-pluggable SFP+ footprint
- Single 3. 3V power supply
- Operating temperature: 0°C to 70°C
- RoHS
- 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	λc	1260	1270	1280	nm
Spectral Width (-40DB)	σ			1	nm
Average Output Power	Pout	0		5	dBm
Extinction Ratio	ER	3.5			dB
Average Launch Power of Off Transmitter	Poff			-30	dBm

Table 2 – Receiver Optical Specifications

Parameter	Symbol	Min.	Typical	Max.	Unit
Centre Wavelength	λc	1320	1330	1340	nm
Receiver Sensitivity	PIN			-14	dBm
Power Received Max	Pmax	0.5			dBm
LOS De-Assert	LOSD			-20	dBm
LOS Assert	LOSA	-23			dBm
LOS Hysteresis		0.5		4.5	dB

Ordering Information

Table 3 - Ordering Information

Part No.	Data Rate	DDM	Wave	Fiber Type	Dist.	Temp.	Optical Interface
CLSFP6GBD2740D	6Gbps	yes	T1270nm R1330nm	SMF	40km	0~70℃	BiDi LC

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