SFP28 25G SR, 850nm MMF Transceiver Extended Temperature

Features



- Compatible with CPRI option10 24.33Gbps and 25GBASE 25.78Gbps
- Operating data rate up to 28.05Gbps
- 100m transmission over OM4 MMF
- 70m transmission over OM3 MMF
- 850nm VCSEL laser and PIN photo-detector
- Internal CDR on both Transmitter and Receiver channel
- Maximum power dissipation<1W
- SFP28 MSA compliant
- Built-in digital diagnostic functions
- Single +3.3V power supply
- Operating case temperature: -5 to +85 °C
- RoHS 6 Compliant
- Duplex LC Connector Interface, Hot Pluggable

Applications

- 25GbE
- CPRI

Compliances

- Compliant to SFF-8402, SFF-8432.
- Compliant to IEEE802.3.
- DDM Compliant with SFF-8472 SFP+ MSA.
- RoHS Compliant6



Description

The transceiver is an 850 nm VCSEL 25Gigabit SFP28 module. It is support up to 70m on OM3 MMF and 100m on OM4 MMF. The transceiver has a duplex LC optical interface and all mechanical characteristics are compliant with the current SFP+ specification (SFF-8431 and SFF-8432).

Environmental Specifications

Parameter	Min.	Typ.	Max.	Unit
Operation Temperature	-5		+85	℃
Storage Temperature	-40	------	+85	℃
Operation Humidity*	5	------	85	%
Storage Humidity	5	------	85	%

(*) not condensing

Operating Specifications

Parameter	Min.	Typ.	Max.	Unit
Supply Voltage	3.1	+3.3	+3.5	V
Power Dissipation			1	W
Transmission Distance			100	m



Optical Specifications

Transmitter:

Parameter	Min.	Typ.	Max.	Unit
Wavelength	840	850	860	nm
Average Launch Power	-4.5		2.5	dBm
Extinction Ratio (ER)	2			dB

Receiver:

Parameter	Min.	Typ.	Max.	Unit
Input Wavelength	840	850	860	nm
Receiver Sensitivity			-6	dBm
LOSA	-30			dBm
LOSD			-11	dBm
Hysteresis	0.5			dB

Ordering information

Jabil Part Number	Package	Rate	Reach	Other info
JPS825S1LCE000L85	SFP28	25G	100m	DDM/RoHS

Contact information

Chuck Sinha, Sr. Director of Sales
Jabil Photonics
5960 Inglewood Dr. Suite 100, Pleasanton, CA
Mobile: 408-505-0955
Email: Chuck_Sinha@Jabil.com