

PRE-SFP25GD-ESR

SFP28, SR, 850nm, 10/25G, 200/300m, MMF/LC



Product Features:

- VCSEL Transmitter
- 850nm
- 200m over OM3
- 300m over OM4
- LC-UPC Connector Type
- Digital Diagnostics Monitoring (DDM)
- C-Temp Rated
- Supports 10Gbps and 25Gbps
- <1W Power Consumption



Product Applications:

- 10/25GBASE-SR
- Enterprise Networks

Standards:

- SFF-8432/8472
- 802.3by
- RoHS

General Specifications

Parameter	Min	Typical	Max	Unit
Case Operating Temperature (C-Temp)	0	-	70	°C
Power Consumption	-	-	1	W
Power Supply Voltage	3.14	3.3	3.46	V
Storage Humidity	5	-	85	%
Storage Temperature	-40	-	85	°C
Transmission Distance	-	200 ¹	300 ²	m
Data Rate (Total)	10.3	25.78	-	Gbps

Note 1: Over OM3 MMF

Note 2: Over OM4 MMF

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Optical Characteristics: Transmitter

Parameter	Min	Typical	Max	Unit
Center Wavelength	840	850	860	nm
Transmit Power	-4.0	-	2.4	dBm
Transmit Power (OMA)	-4	-	-	dBm
Extinction Ratio	2	-	-	dB
Dispersion Penalty (25G)	-	-	4.3	dB
Spectral Width (25G)	-	-	.6	nm

Optical Characteristics: Receiver

Parameter	Min	Typical	Max	Unit
Receiver Wavelength	840	850	860	nm
Saturation Power (Overload)	2.5	-	-	dBm
Receiver Sensitivity ¹	-	-	-10.3	dBm
LOS Assert	-30	-	-	dBm
LOS De-Assert	-	-	-11	dBm
LOS Hysteresis	0.5	-	-	dB

Note 1: Measured with PRBS 2³¹-1 at 5e-5 BER @25Gbps

Product Ordering Information

Part Number	Description
PRE-SFP25GD-SR	SFP28, SR, 850nm, 10/25G, 200/300m, MMF/LC, C-Temp