

PRE-SFP25G-SR(I)

SFP28, SR, 850nm, 25G, 100m, MMF/LC, DDM



Product Features:

- VCSEL Transmitter
- PIN Receiver
- 850nm
- 70m over OM3
- 100m over OM4
- LC-UPC Connector Type
- Digital Diagnostics Monitoring (DDM)
- I-Temp and C-Temp Available
- 25Gbps Maximum Data Rate
- <1W Power Consumption



Product Applications:

- Enterprise Networks
- Data Center Networks
- 25GBASE-SR

Standards:

- SFF-8431
- SFF-8472
- RoHS

General Specifications

Parameter	Min	Typical	Max	Unit
Case Operating Temperature (C-Temp)	0	-	70	°C
Case Operating Temperature (I-Temp)	-40	-	85	°C
Power Consumption	-	-	1	W
Power Supply Voltage	3.14	3.3	3.46	V
Storage Humidity	5	-	95	%
Storage Temperature	-40	-	85	°C
Transmission Distance	-	70 ¹	100 ²	m
Data Rate (Total)	-	25.78	-	Gbps

Note 1: OM3

Note 2: OM4

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Optical Characteristics: Transmitter

Parameter	Min	Typical	Max	Unit
Center Wavelength	840	850	86	nm
Transmit Power	-8.4	-	2.4	dBm
Extinction Ratio	2	-	-	dB
Spectral Width	-	-	0.6	nm

Optical Characteristics: Receiver

Parameter	Min	Typical	Max	Unit
Receiver Wavelength	840	850	860	nm
Saturation Power (Overload)	2.4	-	-	dBm
Stressed Rx Sensitivity (OMA)	-	-	-5.2	dBm
Receiver Sensitivity ¹	-	-	-10.3	dBm
LOS Assert	-30	-	-	dBm
LOS De-Assert	-	-	-12	dBm
LOS Hysteresis	0.5	-	-	dB

1. $2^{31}-1$ at $5e-5$ BER @25Gbps

Product Ordering Information

Part Number	Description
PRE-SFP25G-SR	SFP28, SR, 850nm, 25G, 100m, MMF/LC, C-Temp, DDM
PRE-SFP25G-SRI	SFP28, SR, 850nm, 25G, 100m, MMF/LC, I-Temp, DDM