

PRE-SFP25G-SR, PRE-SFP25G-SRI
SFP28, 850nm, MMF, 100m, 25Gbps



Product Features:

- VCSEL Transmitter
- PIN Receiver
- MMF Transmission Medium
- LC-UPC Connector Type
- Digital Diagnostics Monitoring (DDM)
- C-Temp and I-Temp Available



Applications:

- 25G Ethernet
- CPRI 10

General Specifications

Parameter	Symbol	Min	Typ	Max	Unit
Case Operating Temperature (Commercial)	T_{op}	0	-	70	°C
Case Operating Temperature (Industrial)	T_{op}	-40	-	85	°C
Power Consumption	P_w	-	-	1	W
Power Supply Current	I_{cc}	-	-	300	mA
Power Supply Voltage	V_{cc}	3.14	3.3	3.46	V
Storage Humidity	H_s	5	-	95	%
Storage Temperature	T_s	-40	-	85	°C
Transmission Distance (OM4)	TD	-	-	0.1	km
Data Rate (Total)	DR_T	-	25.78	-	Gbps

Optical Characteristics: Transmitter

Parameter	Symbol	Min	Typ	Max	Unit
Center Wavelength	λ_c	840	850	860	nm
Transmit Power	P_{OUT}	-8.4	-	2.4	dBm
Spectral Width	σ	-	-	0.6	nm
Extinction Ratio	ER	2	-	-	dB
Relative Intensity Noise	RIN	-	-	-128	dB/Hz

Optical Characteristics: Receiver

Parameter	Symbol	Min	Typ	Max	Unit
Receiver Wavelength (B23)	λ_r	770	850	860	nm
Input Saturation Power	P_{SAT}	2.4	-	-	dBm
Receiver Sensitivity	R	-	-	-11	dBm
LOS Assert	LOS_A	-30	-	-	dBm
LOS De-Assert	LOS_D	-	-	-12	dBm
LOS Hysteresis	LOS_H	0.5	-	-	dB

Product Ordering Information

Part Number	Description
PRE-SFP25G-SR	SFP28, 850nm, MMF, 100m, 25Gbps, C-Temp
PRE-SFP25G-SRI	SFP28, 850nm, MMF, 100m, 25Gbps, I-Temp