PRE-SFP25GD-LR

SFP28, LR, 1310nm, 10/25G, 10km, SMF/LC

Product Features:

- DFB Transmitter
- PIN Receiver
- 1310nm
- SMF Transmission Medium
- LC-UPC Connector Type
- Digital Diagnostics Monitoring (DDM)
- C-Temp Rated
- 25Gbps Maximum Data Rate
- <1.5W Power Consumption

Product Applications:

- Enterprise Networks
- WAN and Metro Networks
- 10/25GBASE-LR

Standards:

- SFF-8432/8472
- 802.3ae
- RoHS

General Specifications

Parameter	Min	Typical	Max	Unit
Case Operating Temperature (C-Temp)	0	-	70	°C
Power Consumption	-	-	1.5	W
Power Supply Voltage	3.14	3.3	3.46	V
Storage Humidity	5	-	95	%
Storage Temperature	-40	-	85	°C
Transmission Distance (10G)	-	-	10	km
Transmission Distance (25G)	-	-	10	km
Data Rate (Total)	-	9.83	25.78	Gbps

Optical Characteristics: Transmitter

Parameter	Min	Typical	Max	Unit
Center Wavelength	1295	1310	1325	nm
Transmit Power	-5	-	2	dBm
Extinction Ratio	3.5	-	-	dB
Dispersion Penalty	-	-	2.7	dB
Spectral Width	-	-	1	nm

Optical Characteristics: Receiver

Parameter	Min	Typical	Max	Unit
Receiver Wavelength	1260	1310	1370	nm
Saturation Power (Overload)	2	-	-	dBm
Receiver Sensitivity (OMA)[1]	-	-	-12	dBm
LOS Assert	-30	-	-	dBm
LOS De-Assert	-	-	-16	dBm
LOS Hysteresis	0.5	-	-	dB

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

Product Ordering Information

Part Number	Description
PRE-SFP25GD-LR	SFP28, LR, 1310nm, 10/25G, 10km, SMF/LC, C-Temp