

## PRE-SFP25G-ER, PRE-SFP25G-ERI

SFP28, 1310, SMF, 40km, 25Gbps



### Product Features:

- EML Transmitter
- APD Receiver
- SMF Transmission Medium
- LC-UPC Connector Type
- Digital Diagnostics Monitoring (DDM)
- C-Temp and I-Temp Available



### Applications:

- 25G Ethernet
- CPRI 10

### Compliance:

- SFF-8431
- SFF-8472
- IEEE 802.3 cc
- RoHS

### General Specifications

Parameter	Symbol	Min	Typ	Max	Unit
Case Operating Temperature (Commercial) (Industrial)	$T_{op}$	0 -40	-	70 85	°C
Power Consumption	$P_w$	-	-	1.8	W
Power Supply Current	$I_{cc}$	-	-	550	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	TD	-	-	40	km
Data Rate (Total)	$DR_T$	24.3	25.78	26.5	Gbps

**PRE-SFP25G-ER, PRE-SFP25G-ERI**

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**Optical Characteristics: Transmitter**

Parameter	Symbol	Min	Typ	Max	Unit
Center Wavelength	$\lambda_c$	1295	-	1310	nm
Transmit Power	$P_{OUT}$	-1.6	-	6	dBm
Spectral Width	$\sigma$	-	-	1	nm
Side Mode Suppression Ratio	SMSR	30	-	-	dB
Extinction Ratio	ER	4	-	-	dB
Relative Intensity Noise	RIN	-	-	-130	dB/Hz
Transmitter OFF Output Power	$P_{OFF}$	-	-	-30	dBm

**Optical Characteristics: Receiver**

Parameter	Symbol	Min	Typ	Max	Unit
Receiver Wavelength	$\lambda_r$	1295	-	1325	nm
Input Saturation Power	$P_{SAT}$	-5	-	-	dBm
Receiver Sensitivity	R	-	-	-19.6	dBm
LOS Assert	$LOS_A$	-35	-	-	dBm
LOS De-Assert	$LOS_D$	-	-	-20	dBm
LOS Hysteresis	$LOS_H$	0.5	-	-	dB

**Product Ordering Information**

Part Number	Description
PRE-SFP25G-ER	SFP28, 1310, SMF, 40km, 25Gbps, C-Temp
PRE-SFP25G-ERI	SFP28, 1310, SMF, 40km, 25Gbps, I-Temp