

# PRE-SFP25G-ESR

SFP28, SR, 850nm, 25G, 200/300m, MMF/LC, C-Temp



## Product Features:

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



## Product Applications:

- 25GBASE-SR
- Enterprise Networks

## Standards:

- SFF-8432/8472
- IEEE802.3by
- 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 <sup>1</sup>	300 <sup>2</sup>	m
Data Rate (Total)	-	25.78	-	Gbps

Note 1: Over OM3 MMF  
Note 2: Over OM4 MMF

# PRE-SFP25G-ESR

SFP28, SR, 850nm, 25G, 200/300m, MMF/LC, C-Temp



## Optical Characteristics: Transmitter

Parameter	Min	Typical	Max	Unit
Center Wavelength	840	850	860	nm
Transmit Power	-8.4	-	2.4	dBm
Transmit Power (OMA)	-4	-	-	dBm
TDP @ 25.78Gbps	-	-	4.3	dB
Extinction Ratio	2	-	-	dB
Spectral Width	-	-	.6	nm

## Optical Characteristics: Receiver

Parameter	Min	Typical	Max	Unit
Receiver Wavelength	840	850	860	nm
Stressed Receive Sensitivity (OMA)	-	-	-5.2	dBm
Receiver Sensitivity <sup>1</sup>	-	-	-10.3	dBm
Saturation Power (Overload)	2.5	-	-	dBm
LOS Assert	-30	-	-	dBm
LOS De-Assert	-	-	-11	dBm
LOS Hysteresis	0.5	-	-	dB

Note 1: Measured with PRBS 2<sup>31</sup>-1 at 5e-5 BER

## Product Ordering Information

Part Number	Description
PRE-SFP25G-ESR	SFP28, SR, 850nm, 25G, 200/300m, MMF/LC, C-Temp, DDM