

PRE-QSFP28-SR4

QSFP28, SR4, 850nm, 100G, 100m, MMF/MPO12

Product Features:

- VCSEL Transmitter
- PIN Receiver
- MMF Transmission Medium
- MPO-12 Connector
- Digital Diagnostics Monitoring (DDM)
- C-Temp Rated
- 100Gbps Maximum Data Rate
- <2.5W Power Consumption



Product Applications:

- Data Center
- 100GBASE-SR4 Ethernet
- LAN/WAN

Standards:

- SFF-8636/8665
- IEEE 802.3/bm
- RoHS6

General Specifications

Parameter	Min	Typical	Max	Unit
Case Operating Temperature (Commercial)	0	-	70	°C
Power Consumption	-	-	2.5	W
Power Supply Current	-	-	750	mA
Power Supply Voltage	3.14	3.3	3.46	V
Storage Humidity	0	-	85	%
Storage Temperature	-40	-	85	°C
Transmission Distance (OM4)	-	-	0.1	km
Data Rate (Total)	-	103.125	-	Gbps
Data Rate (Per Lane)	-	25.78	-	Gbps

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Optical Characteristics: Transmitter

Parameter	Min	Typical	Max	Unit
Center Wavelength	840	850	860	nm
Transmit Power per lane (Avg)	-8.4	-	2.4	dBm
Spectral Width	-	-	0.6	nm
Tx Power per lane (OMA)	-6.4	-	3	dBm
Extinction Ratio	2	-	-	dB
Optical Return Loss Tolerance	-	-	12	dB
Transmitter OFF Output Power per lane	-	-	-30	dBm

Optical Characteristics: Receiver

Parameter	Min	Typical	Max	Unit
Receiver Wavelength	840	850	860	nm
Damage Threshold per lane	3.4	-	-	dBm
Rx Power per lane (Avg)	-10.3	-	2.4	dBm
Receive Sensitivity per lane (OMA)			3	dBm
LOS Assert	-30	-	-	dBm
LOS De-Assert	-	-	-10	dBm
LOS Hysteresis	0.5	-	-	dB

Product Ordering Information

Part Number	Description
PRE-QSFP28-SR4	QSFP28, SR4, 850nm, 100G, 100m, MMF/MPO12, C-Temp