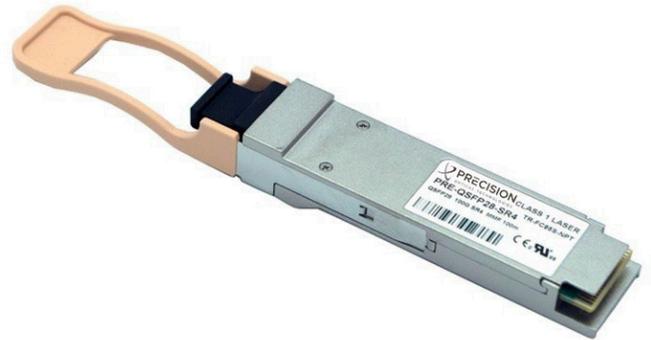


PRE-QSFP28-SR4(E)

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 and E-Temp available
- 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
- RoHS

General Specifications:

Parameter	Min	Typical	Max	Unit
Case Operating Temperature (Commercial)	0	-	70	°C
Case Operating Temperature (E-Temp)	-20	-	80	°C
Power Consumption	-	-	2.5	W
Power Supply Current	-	-	760	mA
Power Supply Voltage	3.14	3.3	3.35	V
Storage Humidity	15	-	85	%
Storage Temperature	-40	-	85	°C
Transmission Distance (OM4)	-	-	100	m
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, EOL)	-8.5	-	2.4	dBm
Stressed Receive Sensitivity per lane (OMA)	-	-	-5.2	dBm
Receiver Reflectance	-	-	-12	dB
LOS Assert	-30	-	-	dBm
LOS De-Assert	-	-	-13	dBm
LOS Hysteresis	0.5	-	-	dB

Product Ordering Information

Part Number	Description
PRE-QSFP28-SR4	QSFP28, SR4, 850nm, 100G, 100m, MMF/MPO12, C-Temp
PRE-QSFP28-SR4E	QSFP28, SR4, 850nm, 100G, 100m, MMF/MPO12, E-Temp

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