

400GBASE-LR8 QSFP-DD PAM4 Optical Transceiver Module (SMF, 1310nm, 10km, LC, DOM)



Product Specifications

Form Factor QSFP-DD	Data Rate 400Gbps
Wavelength* 1310nm	Cable Distance* 10km
Connector Duplex LC (UPC)	Cable Type SMF
Transmitter Type LWDM EML	Receiver Type PIN
TX Power -2.8~5.3dBm	RX Power -9.1~5.3dBm
Power Budget 6.3dB	Modulation 8x 50G PAM4
Power Consumption $\leq 10W$	Extinction Ratio 3.5dB
DDM/DOM Yes	Commercial Temperature 0 to 70°C
DSP TX and RX	Inbuilt FEC No
Core Size G.652/9um	Packaging Technology BOX
Protocols IEEE 802.3bs, QSFP-DD MSA, CMIS 4.1	

* Lane Center Wavelengths Range:
L0 1273.55nm (1272.55-1274.55nm),
L1 1277.89nm (1276.89-1278.89nm),
L2 1282.26nm (1281.25-1283.27nm),
L3 1286.67nm (1285.65-1287.68nm),
L4 1295.56nm (1294.53-1296.59nm),
L5 1300.06nm (1299.02-1301.09nm),
L6 1304.59nm (1303.54-1305.63nm),
L7 1309.14nm (1308.09-1310.09nm).

* Full 10km reach requires the use of FEC on the host platform.



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