

400GBASE-DR4 QSFP-DD PAM4  
Optical Transceiver Module  
(SMF, 1310nm, 500m, MTP/MPO,  
DOM)



## Product Specifications

<b>Form Factor</b> QSFP-DD	<b>Data Rate</b> 400Gbps
<b>Wavelength*</b> 1310nm	<b>Cable Distance*</b> 500m
<b>Connector</b> MTP/MPO-12 (APC)	<b>Cable Type</b> SMF
<b>Transmitter Type</b> DFB	<b>Receiver Type</b> PIN
<b>TX Power</b> -2.9~4.0dBm	<b>RX Power</b> -5.9~4.0dBm
<b>Power Budget</b> 3dB	<b>Modulation</b> 8x 50G PAM4
<b>Power Consumption</b> ≤10W	<b>Extinction Ratio</b> 3.5dB
<b>DDM/DOM</b> Yes	<b>Commercial Temperature</b> 0 to 70°C
<b>DSP</b> TX and RX	<b>Inbuilt FEC</b> No
<b>Core Size</b> 9/125um	<b>Packaging Technology</b> COB
<b>Protocols</b> IEEE 802.3bs, QSFP-DD MSA, CMIS 4.1	

\* Lane Center Wavelengths Range 1304.5 - 1317.5nm.

\* Full 500m reach requires the use of FEC on the host platform.



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