

Optical Transceiver: 200G CFP2-DCO

The 200G CFP2-DCO coherent pluggable optical transceiver is based on dual polarization quadrature phase shift keying (DP-QPSK) or dual polarization quadrature amplitude modulation (DP-16QAM) supporting extended C-band, polarization diversity coherent detection and advanced electronic link equalization. The module can accommodate various client signals such as 100 Giga-bit Ethernet (100GbE) and Optical Transport channel Uint-4(OUT4).

Features

- | Support Flex-grid channel spacing DWDM infrastructure
- | Support Flexible client-side interfaces:100GbE, OTU4
- | Support OpenROADM(oFEC) line-side FEC types for 100G/200G(31.57GBaud)
- | Framed PRBS generator/checker on the host and network side interfaces
- | Network and client loopback at the near-endian and far-endian point
- | CFP MSA IEEE802.3 Clause 45 compliant MDIO
- | 104pin CFP2 MSA compliant connector
- | Hot Swappable
- | RoHS compliant
- | Compliant to OIF-CFP2-DCO-01.0, October 17, 2018
- | Compliant to CFP MSA Management Interface Specification, Version 2.6 r06a, March 27, 2017



Application areas

- | Metro DCI Interconnect
- | DWDM long distance transmission

Parameter		Min.	Max.	Unit
Operating frequency range		191.30	196.10	THz
Transmit frequency stability		-2.5	2.5	GHz
Transmit optical power range		-5	+5	dBm
Received optical power range		-18	0	dBm
OSNR sensitivity	100G QPSK	11.5	12.5	dB/0.1nm
	200G 16QAM	19.5	21	
CD Tolerance	100G QPSK		40000	ps/nm
	200G 16QAM		40000	
DGD tolerance			50	ps
Cold start time			90	s
Transmit wavelength switching time			60	s
Operating Case Temperature (Top)		0	70	°C
Storage Temperature Range		-40	85	°C
Relative humidity Range (Non-condensing)		-	85	%

Important Notice

Performance figures, data and any illustrative material provided in this data sheet are typical and must be

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