

CFP4 Transceivers - 100 Gbps

Description:

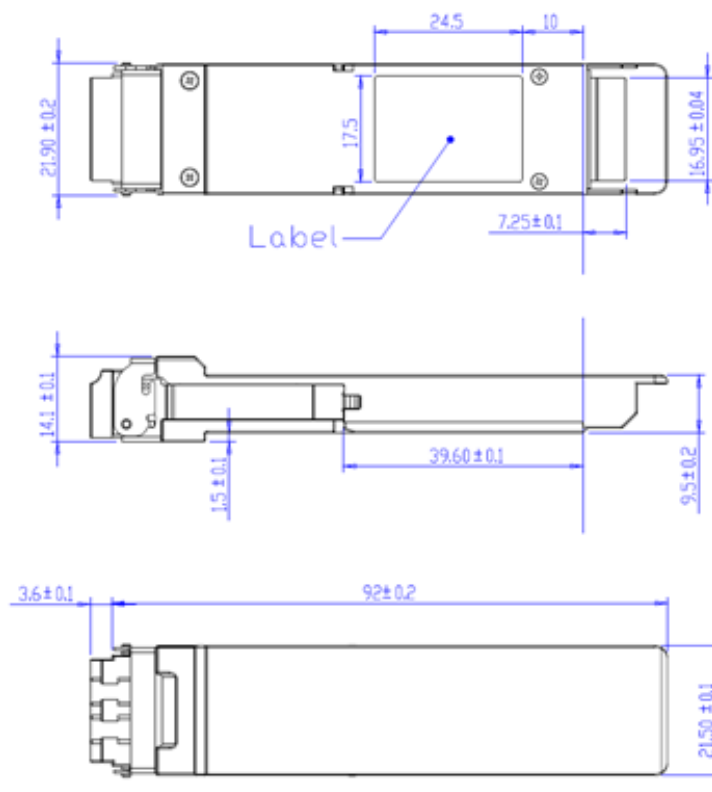
OPTOKON CFP4 transceivers is designed for high speed communication applications that requiring rates of from 103.125 to 111.81 Gbps. The transceiver converts 4 inputs channel of 25,78 Gb/s to 27.95 electrical data to 4 CWDM optical signals, and multiplexes them into a single channel through an industry standard LC connector. CFP4 transceiver has the Digital Diagnostic Monitor Feature.



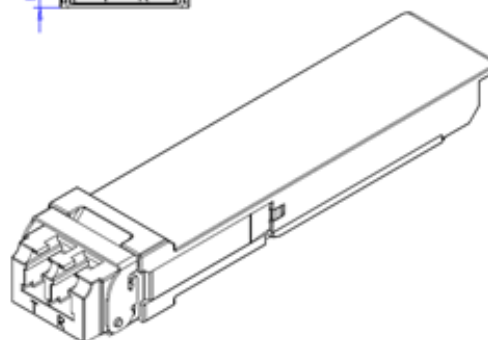
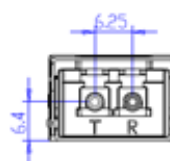
Features:

- Compliant with 100GBASE-LR4
- Support line rates from 103.125 Gbps to 111.81 Gbps
- Integrated LAN WDM TOSA / ROSA for up to 10 km reach over SMF
- Digital Diagnostics Monitoring Interface (DDM/DOM)
- Duplex LC optical receptacle
- Single 3.3 V power supply
- Power dissipation < 6W
- CWDM-1296 nm, 1300nm, 1305nm and 1309 nm

Specifications:



Units in mm



Safety and regulatory compliance and standards

- Compliant to IEEE 802.3ba
- Compliant to CFP MSA CFP4 Hardware Specification
- Compliant to CFP MSA CFP4 Management Interface Specification
- IEEE 802.3-2012 Clause 45 and 88 100GBASE-LR4
- ITU-T G.959.1-2012-02
- OIF2010.404.08 CEI-28G-VSR electrical specifications

Optical characteristics:

Transmitter:

Parameter:	Min	Typ.	Max	Unit
Signaling rate, each lane		25.78125		Gbps
Lane wavelength [range]	1294.53	1295.56	1296.59	nm
	1299.02	1300.05	1301.09	nm
	1303.54	1304.58	1305.63	nm
Total launch power			10.5	dBm
Average launch power, each lane	-4.3		4.5	dBm
Average launch power of OFF transmitter, each lane			-30	dBm

Receiver:

Parameter:	Min	Typ.	Max	Unit
Average receive power, each lane	-10.6		4,5	dBm
Receive power, each lane (OMA)			4,5	dBm
Receiver Sensitivity (OMA), each lane			-8.6	dBm

Application:

Accessories:

Ordering code:

Code	Description
S100G-CFP4-LR4-10-D	100 Gbps, CFP 4 housing up to 10 km 4x 25 gbps, LC connector.