



CL-CFP-ER4
100G CFP Optical Transceiver Module
RoHS 6 compliant



Features

- 100GBASE-ER4 100G Ethernet CFP
- Up-to 40 km over SMF @ 100Gb/s
- 1310nm Duplex CFP Transceiver
- -40°C - 85°C Operating Case Temperature
- SFF-8724 Digital optical monitoring
- Hot-swappable for CFP LC ports
- Carelink standard warranty
- End-to-end compatibility within Carelink platform
- CFP MSA and IEEE 802.3ba
- 100G-CFP-ER4-40KM is RoHS compliant

Applications

- Local Area Network (LAN)
- Data Center
- Ethernet switches and router applications

Standard

- Compliant to IEEE 802.3ba
- Compliant to CFP MSA Hardware Specification
- Compliant to CFP MSA Management Interface Specification

PART NUMBER	Monitor	INPUT/OUTPUT	SIGNAL DETECT	TEMPERATURE
CL-CFP-ER4	X	AC/AC	TTL	-5°C to 70 °C
CL-CFP-ER4i	X	AC/AC	TTL	-40°C to 85 °C



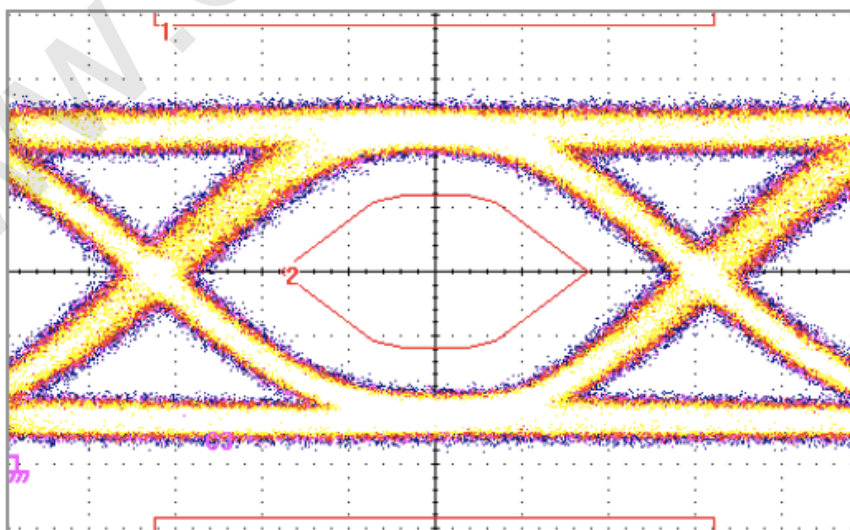
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Description

The Carelink CL-CFP-ER4 100GBASE-ER4 100G Ethernet transceiver is a Duplex CFP transceiver for optical communications, rated for distances up to 40 km and a maximum bandwidth of 100Gb/s. The CL-CFP-ER4 transceiver operates at 1310nm wavelength. Carelink Ethernet 100GBASE-ER4 CFP, CFP transceiver module, 1-PACK, 100Gb/s, LC Single-mode, 1310 nm, Maximum Distance: 40 km, Compliance with Restriction on Hazardous Substances (RoHS) directive.

Part Number	Unit	CL-CFP-ER4
Application	-	100GBASE-ER4 / OTU-4
Data Rate, each lane	Gbps	25.78125 /27.9525
Lane Wavelength (800GHz spacing)	nm	L0: 1294.53 to 1296.59 L1: 1299.02 to 1301.09 L2: 1303.54 to 1305.63 L3: 1308.09 to 1310.19
Distance	Km	40
Average Launch Power, each lane	dBm	-2.7 to +2.9
Extinction Ratio	dB	8
Penalty	dB	2.5
Average Receive Power, each lane	dBm	-20.9 to 4.5 @1e-12
Operating Case Temp.	°C	-40 to 85
Max Power Consumption	W	16

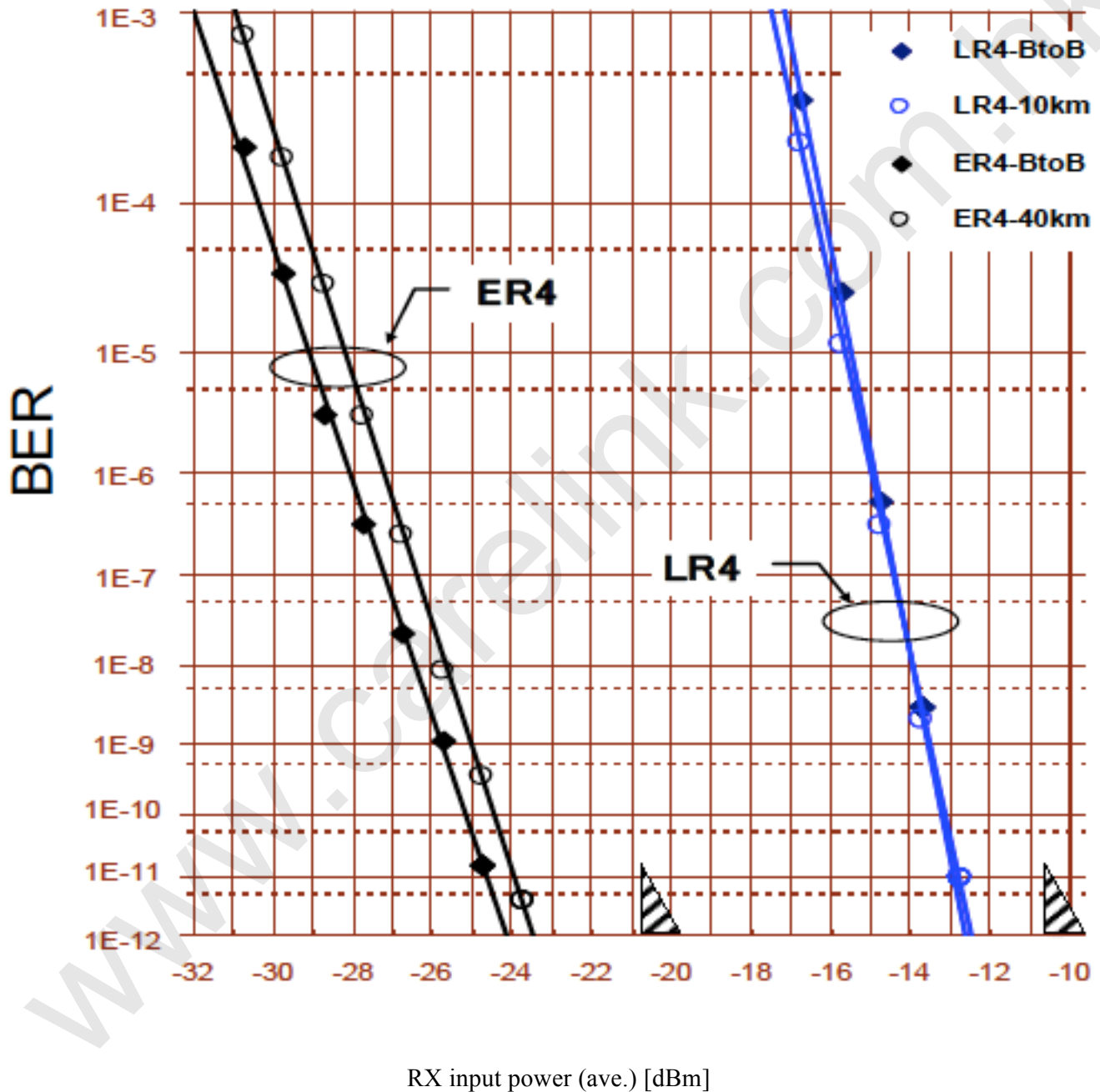
Optical Waveform ER4





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Receiver Sensitivity ER4





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Outline Dimensions

Units in mm

