OFM331R

1000Base-BX-U Single-Mode WDM SFP transceiver (up to 20/40 km), Tx:1310 nm, Rx:1550 nm



OFM331R is a bidirectional WDM SFP transceiver with 1x1000Base-BX-U port for single-mode optical cable (up to 20/40 km).

The OFM331R is equipped with a standard simplex LC connector and is designed to work with 9/125 um single-mode fiber. The transceiver provides data transmission speeds of up to 1.25 Gbps at a distance of up to 20 km (OFM331R/20KM) and up to 40 km (OFM331R/40KM).

The OFM331R / OFM331T transceivers combine transmitting and receiving signals onto one fiber strand using two wavelengths. The OFM331R is used in pair with the OFM331T transceiver of the appropriate distance. The operating wavelength of OFM331R is Tx:1310 nm, Rx:1550 nm.

The OFM331R complies with SFP MSA specifications and is hot-pluggable.

Key Features

- Works in pair with OFM331T of the appropriate distance
- Small Form-Factor Pluggable (SFP)
- 1x1000Base-BX-U port
- Simplex LC connector
- Fiber type: 9/125 um single-mode
- Maximum fiber cable length up to 20 or 40 km
- Operating wavelength – Tx: 1310 nm, Rx: 1550 nm
- Hot-pluggable

ORIGO

Specifications

Hardware

Transceiver Type	• SFP
Interfaces	• 1x1000Base-BX-U
Connector	• Simplex LC
Uni-/Bi-directional	• Bi-directional
Data Rate	• 1.25 Gbps
Maximum Fiber Cable Length	• 20 km (OFM331R/20KM) • 40 km (OFM331R/40KM)
Fiber Type	• 9/125 um Single-mode Fiber
Polish Type	• UPC
Wavelength	• Tx: 1310 nm, Rx: 1550 nm
Transmit Power Range	• -3 to -8 dBm (OFM331R/20KM) • 0 to -5 dBm (OFM331R/40KM)
Receive Power Range	• -3 to -22 dBm (OFM331R/20KM) • -3 to -23 dBm (OFM331R/40KM)
Sensitivity	• -22 dBm (OFM331R/20KM) • -23 dBm (OFM331R/40KM)
Standard	• IEEE 802.3z 1000Base-BX-U
Supported Features	• Hot swap • MSA compliant • RoHS compliant

Physical Parameters

Dimensions (L x W x H)	• 45 x 13.4 x 8.5 mm

Operating Conditions

Power Support	• 3.3 V
Supply Current	• 300 mA
Temperature	• Operating: 0 to 70 °C • Storage: -40 to 85 °C

Humidity	• Operating: 5% to 95% • Storage: 5% to 95%

Package Contents

Package Contents	• OFM331R Transceiver

Compatible Equipment

WDM SFP Transceivers	• OFM331T/20KM (for OFM331R/20KM) • OFM331T/40KM (for OFM331R/40KM)

Order Info

OFM331R/20KM	WDM SFP Transceiver, 1000Base-BX-U (Simplex LC), Tx:1310nm, Rx:1550nm, single-mode fiber, up to 20km
OFM331R/40KM	WDM SFP Transceiver, 1000Base-BX-U (Simplex LC), Tx:1310nm, Rx:1550nm, single-mode fiber, up to 40km *Operation at short distances is only possible with the use of an attenuator. Not included.*