



## Part Number: 377.1415.00

Optical Transceiver QSFP28 ETH [-/100G] [DD/DFB/-/OP:-4,3/RP:-10,6/20km]  
100GBASE-LR4

### PRODUCT DESCRIPTION

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Optical Transceiver QSFP28 ETH [-/100G] [DD/DFB/-/OP:-4,3/RP:-10,6/20km]  
100GBASE-LR4

## FEATURES

QSFP28 Optical Transceiver for 100G bps, with a typical range of 20 km.

Compatibilities:

IEEE Compatibility : 802.3ba 100GBASE-LR4

Datacom Compatibility:

ITU Compatibility:

## OTHER FEATURES

|  |                     |
|--|---------------------|
| Form Factor                                | QSFP28              |
| Interface                                  | Optical Transceiver |
| Conformities                               | ETH                 |
| Fiber Type                                 | Singlemode          |
| Fiber Quantity                             | Two                 |
| Connector Type                             | LC                  |
| Digital Diagnostics                        | Yes                 |
| LOS  | No                  |
| Tunable                                    | No                  |
| MultiRate                                  | No                  |
| W.D.M.*                                    |                     |
| W.D.M. Channel *                           |                     |
| Bi-directional complementary part number * |                     |
| Typical range (km)                         | 20                  |
| Extended range * (km)                      |                     |

*\* If applicable*

## OPERATIONAL CONDITIONS

| PARAMETER             | MINIMUM | TYPICAL | MAXIMUM | UNIT |
|-----------------------|---------|---------|---------|------|
| Operating Temperature | 0       |         | 70      | °C   |
| Overload              |         |         | 4.5     | dBm  |

## OPTICAL TRANSMISSION PARAMETERS

| PARAMETER              | MINIMUM | TYPICAL                   | MAXIMUM | UNIT  |
|------------------------|---------|---------------------------|---------|-------|
| Transmission power     | -4.3    |                           | 4.5     | dBm   |
| Extinction Ratio       | 4       |                           |         | dB    |
| Wavelength             |         | 1295 / 1300 / 1304 / 1309 |         | nm    |
| Spectral Width *       |         |                           |         | nm    |
| Dispersion Tolerance * |         |                           |         | ps/nm |
| Laser                  |         | DFB                       |         |       |

## OPTICAL RECEPTION PARAMETERS

| PARAMETER   | MINIMUM | TYPICAL                   | MAXIMUM | UNIT |
|-------------|---------|---------------------------|---------|------|
| Wavelength  |         | 1295 / 1300 / 1304 / 1309 |         | nm   |
| Sensitivity |         |                           | -10.6   | dBm  |
| Overload    |         |                           | 4.5     | dBm  |

## EYE SAFETY

This is a Class1 Laser Product.

# DATAKOM

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