



Part Number: 377.1442.00

Optical Transceiver QSFP28 ETH 100G 0.5km

PRODUCT DESCRIPTION

377.1442.00

Optical Transceiver QSFP28 ETH 100G 0.5km

FEATURES

QSFP28 Optical Transceiver for 100G bps, with a typical range of 0.5 km.

Compatibilities:

IEEE Compatibility : 100GBASE-DR

Datcom Compatibility: DM-QSFP28-DR1-500m

ITU Compatibility:

RoHS Compatibility: Directive 2011/65/EU and 2015/863/EU

OTHER FEATURES

Form Factor	QSFP28
Interface	Optical Transceiver
Conformities	ETH
Fiber Type	Singlemode
Fiber Quantity	Two
Connector Type	LC/UPC
Digital Diagnostics	Yes
LOS	No
Tunable	No
MultiRate	No
W.D.M.*	
W.D.M. Channel *	
Bi-directional complementary part number *	
Typical range (km)	0.5
Extended range * (km)	
Forward Error Correction*	It is mandatory to disable FEC CL91 on both sides of the host switches for proper operation of this transceiver. This transceiver internally processes the appropriate FEC mechanism required to establish the optical link. If the host switch is configured with FEC CL91 enabled, the logical link between the host switch ports will not be established, even if the optical indicators from the digital diagnostics show acceptable values and the optical link appears to be established

** If applicable*

OPERATIONAL CONDITIONS

PARAMETER	MINIMUM	TYPICAL	MAXIMUM	UNIT
Operating Temperature	0		70	°C
Overload			4	dBm

OPTICAL TRANSMISSION PARAMETERS

PARAMETER	MINIMUM	TYPICAL	MAXIMUM	UNIT
Transmission power	-2.9		4	dBm
Extinction Ratio	3.5			dB
Wavelength		1310		nm
Spectral Width *				nm
Dispersion Tolerance *				ps/nm
Laser		EML		

OPTICAL RECEPTION PARAMETERS

PARAMETER	MINIMUM	TYPICAL	MAXIMUM	UNIT
Wavelength		1310		nm
Sensitivity			-3.9	dBm
Overload			4	dBm

EYE SAFETY

This is a Class1 Laser Product.

DATAKOM

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