

## Part Number: PTN-SFP-CWDM-EX-1611

### SFP CWDM - EX - 1611nm for DRAGON-PTN



#### Product Description

SFP CWDM - EX - 1611nm for DRAGON-PTN

#### Technical Specifications

##### Product description

Type:	PTN-SFP-CWDM-EX-1611,SFP CWDM-EX-1611nm
Description:	SFP CWDM - EX - 1611nm for Dragon-PTN
Part Number:	942 245-008
Port type and quantity:	1 x 1000 Mbit/s with LC connector

##### Network size - length of cable

Single mode fiber (LH) 9/125 $\mu\text{m}$ (long haul transceiver):	12 - 40 km (Link Budget at 1611 nm = 3 - 18 dB; A = 0.25 dB/km; D = 19 ps/(nm*km))
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##### Power requirements

Operating Voltage:	power supply via the node
Power consumption:	1 W

##### Software

Diagnostics:	Optical input and output power, transceiver temperature
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##### Ambient conditions

Operating temperature:	-30+60 °C
Storage/transport temperature:	-30+75 °C
Relative humidity (non-condensing):	5-95 %

##### Mechanical construction

Dimensions (WxHxD):	20 mm x 18 mm x 50 mm
Weight:	40 g
Mounting:	SFP slot
Protection class:	IP20

##### Mechanical stability

IEC 60068-2-6 vibration:	3.5 mm, 3 Hz-9 Hz, 10 cycles, 1 octave/min.; 1 g, 9 Hz-150 Hz, 20 cycles, 1 octave/min
IEC 60068-2-27 shock:	15 g, 11 ms duration, 18 shocks

##### EMC interference immunity

EN 61000-4-2 electrostatic discharge (ESD):	8 kV contact discharge, 15 kV air discharge
EN 61000-4-3 electromagnetic field:	35 V/m (80-3800 MHz)
EN 61000-4-4 fast transients (burst):	2 kV power line, 1 kV data line
EN 61000-4-5 surge voltage:	power line: 2 kV (line/earth), 1 kV (line/line), 1 kV data line
EN 61000-4-6 Conducted Immunity:	3 V (10 kHz-150 kHz), 10 V (150 kHz-80 MHz)

## EMC emitted immunity

EN 55022:	EN 55022 Class B
FCC CFR47 Part 15:	FCC 47CFR Part 15, Class B

## Approvals

Safety of information technology equipment:	EN60950
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## Scope of delivery and accessories

Scope of delivery:	SFP module
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## Variants

Item #	Type
942245008	PTN-SFP-CWDM-EX-1611,SFP CWDM-EX-1611nm

Update and Revision:	Revision Number: 0.10 Revision Date: 05-10-2019
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