



PRODUCT DATA SHEET

Optical Transceiver: DWDM-10G-SFP-80-TUN

Description:

DWDM-10G-SFP-80-TUN is a multi-vendor compatible tunable SFP+ module, operating over double fiber single-mode optical cable with a maximum distance of 80 km. DWDM-10G-SFP-80-TUN supports ITU 50GHz Grid: C-Band (Ch17-61) and uses a transmitting monolithic MZM Tunable TOSA laser and APD receiver supporting all ITU-T G.694.2 grid 1270-1610nm. The module supports 8.5-11.32Gbps data rates.

DWDM-10G-SFP-80-TUN SFP+ Transceiver is fully compliant to SFF-84311, SFF-84322, SFF-86908, SFF-84723, ITU-T G.698.1 DS100SI-2Dz(C) and it can be provided with custom-encoded firmware, in order to provide compatibility with most equipment vendor's platforms in the data communications industry.

Key Highlights:

- **Type:** SFP+
- **Tx/Rx Wavelength:** ITU 50GHz Grid: C-Band (Ch17-61)/ 1270-1610nm
- **Media Type:** Single-Mode Fiber
- **Optical Budget:** 22 dB
- **Max. Distance:** 80 km
- **Data Rate:** 8.5-11.32Gbps
- **Temperature:** Standard 0°-70°C

TECHNICAL SPECIFICATION

Parameter	Value
Product Type:	DWDM-10G-SFP-80-TUN
Media Type:	Single-Mode Fiber
TX Wavelength:	ITU 50Ghz Grid: C-Band (Ch17-61)
RX Wavelength:	1270-1610 nm
Minimum Optical Budget:	22 dB
Maximum Distance:	80 km
Supported Data Rate:	8.5-11.32Gbps
Supported Applications:	<ul style="list-style-type: none"> • 10G Eth (10.31Gbps) • STM-64 (9.95Gbps) • OTU2 (10.70Gbps) • OTU1e (11.049Gbps) • OTU2e (11.095Gbps) • OTU1f (11.27Gbps) • OTU2f (11.32Gbps) • ODU2 (10.037Gbps) • ODU2e (10.399Gbps) • 10G FC (10.52Gbps) • 8G FC (8.5 Gbps)
DDM/DOM:	Supported
Temperature Range:	Standard 0°-70°C
Connectors:	Double LC
Tx Wavelength Bandwidth:	ITU 50Ghz Grid: C-Band (Ch17-61)
Rx Wavelength Bandwidth:	G.694.2 grid: 1270-1610 nm
Transmitting Power (Min/Max):	-1/3 dBm
Receiver Sensitivity:	-22 dBm
Receiver Overload:	-8 dBm
Dispersion:	1600 ps/nm
Laser:	Monolithic MZM Tunable TOSA
Receiver Type:	APD
Power:	+3.3V single power supply
Compliance:	SFF-84311, SFF-84322, SFF-86908 SFF-84723, ITU-T G.698.1 DS100SI-2Dz(C) RoHS

Compatibility

EDGE Optical transceivers can be provided with custom-encoded firmware, in order to provide compatibility with more than 50 vendor brands in data and telecom communications industry:

MS - General MSA
AD - ADVA
AL - Alcatel-Lucent
AR - Arista
AV - Avaya
BR - Brocade
CN - Ciena
CI - Cisco
DL - Dell & Force10
DK - D-Link
EM - EMC2
ET - Enterasys

ER - Ericsson
EX - Extreme Networks
F5 - F5 Networks
FO - Fortinet
FU - Fujitsu
H3 - H3C
HI - Hirschmann
HP* - HP Networking
HS* - HP Storage
HU - Huawei
IB - IBM
IF - Infinera

IN - Intel
JU - Juniper Networks
LI - Linksys
ML - Mellanox
ME - Meraki (Cisco)
MT - MikroTik
MO - Moxa
MR - MRV
NG - Netgear
NS - NSN
PA - Palo Alto Network
QL - Qlogic

RD - RAD
RU - Ruijie Networks
SM - Supermicro
SY - Synology
TC - Telco Systems
TP - TP-LINK
TN - Trendnet
WG - WatchGuard
ZT - ZTE
XX - Other

* - Please note HP compatible module prices can be higher than prices indicated in this material due to special requirements in coding. If you require HP compatibility, for exact pricing please contact our sales team: sales@edgeoptic.com

Product Quality

We focus on strict product quality tests before each delivery, performing optical parameter tests, connector cleanliness tests and firmware verification tests to ensure our delivered products fully meets the promised product technical specification and compatibility requirements.

EDGE Optical transceivers are CE, ROHS certified and have passed Telecordia reliability tests.

Warranty

EDGE Optic's provides a limited **warranty for sixty (60) months** from Purchaser's receipt of the Equipment represented in this data sheet against defective design or workmanship.