edge
OPTICAL SOLUTIONS

PRODUCT DATA SHEET

Optical Transceiver: DWDM-1.25G-SFP-80-42

Description:

DWDM-1.25G-SFP-80-42 is multi-vendor compatible SFP Transceiver module, operating over double fiber single-mode optical cable with maximum distance 80km. DWDM-1.25G-SFP-80-42 uses Ch.42 (1543.73 nm) transmitting DFB laser and PIN receiver supporting all ITU-T C-Band 100GHz Channel Spacing DWDM grid (Ch.17 – Ch.61) and supports 1.063-1.25Gbps data rates.

DWDM-1.25G-SFP-80-42 SFP Transceiver is fully compliant to SFP Multi Source Agreement SFF-8472 and it can be provided with custom-encoded firmware, in order to provide compatibility of most equipment vendors platforms in data communications industry.

Key Highlights:

- **Type: SFP**
- **Tx/Rx Wavelength: Ch 42 (1543.73 nm)/ ITU-T DWDM Grid 100 GHz C-Band**
- **Media Type: Single-Mode Fiber**
- **Optical Budget: 24 dB**
- **Max. Distance: 80 km**
- **Data Rate: 1.063-1.25Gbps**
- **Temperature: Standard 0°-70°C**

edge
OPTICAL SOLUTIONS

EDGE Technologies Ltd.
Vilipa Street 12-53A, Riga
Latvia, LV-1083
sales@edgeoptic.com
www.edgeoptic.com

TECHNICAL SPECIFICATION

Parameter	Value
Product Type:	DWDM-1.25G-SFP-80-42
Media Type:	Single-Mode Fiber
TX Wavelength:	Ch 42 (1543.73 nm)
RX Wavelength:	ITU-T 100GHz C-Band (Ch.17-Ch.61)
Minimum Optical Budget:	24 dB
Maximum Distance:	80 km
Supported Data Rate:	1.063-1.25Gbps
Supported Applications:	• 1G Eth (1.25Gbps) • 1G FC (1.063Gbps)
DDM/DOM:	Supported
Temperature Range:	Standard 0°-70°C
Connectors:	Double LC
Tx Wavelength Bandwidth:	100GHz (0.8nm)
Rx Wavelength Bandwidth:	1270-1610 nm
Transmitting Power (Min/Max):	0/2 dB
Receiver Sensitivity:	-24 dB
Receiver Overload:	-3 dB
Dispersion:	1600-1700 ps/nm
Laser:	DFB
Receiver Type:	PIN
Chip:	SEMTECH/UX
Power:	+3.3V single power supply
Compliance:	SFP MSA, SFF-8472, RoHS, CE, Class 1 FDA and IEC60825-1 Laser Safety Compliant

edge OPTICAL SOLUTIONS

EDGE Technologies Ltd.
Vilipa Street 12-53A, Riga
Latvia, LV-1083
sales@edgeoptic.com
www.edgeoptic.com

Compatibility

EDGE Optical transceivers can be provided with custom-encoded firmware, in order to provide compatibility with more then 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 then 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.

EDGE Technologies Ltd.
Vilipa Street 12-53A, Riga
Latvia, LV-1083
sales@edgeoptic.com
www.edgeoptic.com