



PRODUCT DATA SHEET

Optical Transceiver: DWDM-2.67G-SFP-80-18

Description:

DWDM-2.67G-SFP-80-18 is a multi-vendor compatible SFP Transceiver module, operating over double fiber single-mode optical cable with a maximum distance of 80km. DWDM-2.67G-SFP-80-18 uses Ch. 18 (1563.05 nm) transmitting DFB laser and APD receiver supporting all ITU-T C-Band 100GHz Channel Spacing DWDM grid (Ch.17 - Ch.61) and supports 100Mbps-2.67Gbps data rates. DWDM-2.67G-SFP-80-18 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 the data communications industry.

Key Highlights:

- Type: SFP
- Tx/Rx Wavelength: Ch 18 (1563.05 nm)/ITU-T DWDM Grid 100 GHz C-Band
- Media Type: Single-Mode Fiber
- Optical Budget: 28-31 dB *
- Max. Distance: 80km
- Data Rate: 100Mbps-2.67Gbps
- Temperature: Standard 0°-70°C

* Depending on used application/data rate

TECHNICAL SPECIFICATION

Parameter	Value
Product Type:	DWDM-2.67G-SFP-80-18
Media Type:	Single-Mode Fiber
TX Wavelength:	Ch 18 (1563.05 nm)
RX Wavelength:	ITU-T 100GHz C-Band (Ch.17-Ch.61)
Maximum Distance:	80 km
Supported Data Rate:	100 Mbps-2.67Gbps
Supported Applications:	<ul style="list-style-type: none"> • STM-16 (2.488Gbps) - 15 dB • STM-4 (622Mbps) - 18 dB • STM-1 (155Mbps) - 19 dB • 100M Ethernet (100Mbps) - 19 dB • 1G Eth (1.25Gbps) - 18 dB • 1G FC (1.063Gbps) - 18 dB • 2G FC (2.125Gbps) - 16 dB • OTU1 (2.67Gbps) - 15 dB • ODU0 (1.24416Gbps) - 18 dB • ODU1 (2.499Gbps) - 15 dB • CPRI (2.458 Gbps) - 15 dB • CPRI (1.229 Gbps) - 18 dB • CPRI (614.4 Mbit/s) - 18 dB • OBSAI (1.536 Gbps) - 18 dB • OBSAI (768 Mbps) - 18 dB
DDM/DOM:	Supported
Temperature Range:	Standard 0°-70°C
Connectors:	Double LC
Tx Wavelength Bandwidth:	100GHz (0.8nm)
Rx Wavelength Bandwidth:	1260 - 1620 nm
Transmitting Power (Min/Max):	0/5 dB
Receiver Sensitivity:	-28 / -31 dB Based on Data Rate
Receiver Overload:	-7 dB
Dispersion:	1600-1700 ps/nm
Laser:	DFB
Receiver Type:	APD

Parameter	Value
Chip:	SEMTECH/UX
Power:	+3.3V single power supply
Compliance:	<ul style="list-style-type: none"> • SFP MSA, • SFF-8472, • RoHS, • CE, • Class 1 FDA and IEC60825-1 Laser Safety Compliant

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
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* - 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.