

## Key Highlights:

- **Type:** SFP
- **Tx Wavelength:** Ch. 27 - Ch. 61 (1270nm - 1610nm)
- **Rx Wavelength:** G.694.2 CWDM Grid (1270-1610nm)
- **Media Type:** Single- Mode Fiber
- **Fiber Type:** Single-Mode Fiber (SMF)
- **Optical Budget:** 23 dB
- **Max. Distance:** 80km
- **Data Rate:** 9.95-11.32Gbps
- **Temperature:** Standard 0°-70°C



## Optical Transceiver : CWDM-10G-SFP-80-XX

### Product Description:

CWDM-10G-SFP-80-XX is multi-vendor compatible SFP Transceiver module, operating over double fiber single-mode optical cable with maximum distance 80km. CWDM-10G-SFP-80-XX uses Ch. 27 - Ch. 61 (1270 - 1610nm) transmitting DFB laser and APD receiver supporting all ITU-T G.694.2 grid 1270-1610nm and supports 9.95-11.32Gbps data rates. CWDM-10G-SFP-80-XX SFP+ Transceiver is fully compliant to SFP Multi Source Agreement SFF8431 and it can be provided with custom-encoded firmware, in order to provide compatibility of most equipment vendors platforms in data communications industry.



## Product Specification:

| General parameter             | Value   |
|-------------------------------|---|
| Media Type:                   | Single-Mode Fiber (SMF)   |
| Connectors:                   | Double LC   |
| TX Wavelength:                | Ch. 27 - Ch. 61 (1270nm - 1610nm)   |
| RX Wavelength:                | G.694.2 CWDM Grid (1270nm - 1610nm)   |
| Minimum Optical Budget:       | 23 dB   |
| Maximum Distance:             | 80 km   |
| Supported Data Rate:          | 9.95-11.32Gbps  |
| Supported Applications:       | 10GEth(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) |
| DDM/DOM:                      | Supported   |
| Temperature Range:            | Standard 0°-70°C  |
| Power Supply Voltage Typical: | +3.3V single power supply   |
| Compliance:                   | SFP MSA; SFF-8472, RoHS, CE, Class 1 FDA and IEC608251 Laser Safety Compliant   |



## Product Specification:

| Transmitter Parameters:     | Value                   |
|-----------------------------|-------------------------|
| Transmitter Type:           | EML Laser               |
| Tx Wavelength Bandwidth:    | 20 nm (1270nm - 1610nm) |
| Minimum Transmitting Power: | 0 dB                    |
| Maximum Transmitting Power: | 5dB                     |

| Receiver Parameters:     | Value                         |
|--------------------------|-------------------------------|
| Receiver Type:           | PIN                           |
| Rx Wavelength Bandwidth: | G.694.2 grid: 1270nm - 1610nm |
| Receiver Sensitivity:    | -23 dB                        |
| Receiver Overload:       | 0.5 dB                        |



## Compatibility:

EDGE Optical transceivers can be provided with custom-encoded firmware, in order to provide compatibility with more than 100 vendor brands in data and telecom communications industry:

**MS** - General MSA

**AD** - ADVA

**AE** - Advantech

**AL** - Alcatel (Nokia)

**AT** - Allied Telesis

**AR** - Arista

**AS** - Arris

**AV** - Avaya

**BC** - Barracuda

**BR** - Broadcom

**QL** - Cavium (Qlogic)

**CR** - Ceragon

**CP** - Checkpoint

**CH** - Chelsio

**CN** - Ciena

**CI** - Cisco

**LI** - Cisco (Linksys)

**CE** - Comnet

**CO** - Coriant

**DH** - Dahua

**DC** - DCN

**DL** - Dell & Force10

**DK** - D-Link

**DZ** - DZS(Dasan-Zhone)

**EI** - ECI

**EC** - EdgeCore

**EW** - EdgeWare

**EL** - Eltex

**EM** - EMC2

**EN** - Enterasys

**ER** - Ericsson

**EF** - EXFO

**EX** - Extreme Networks

**F5** - F5 Networks

**FI** - Finisar

**FO** - Fortinet

**FU** - Fujitsu

**H3** - H3C

**HI** - Hirschmann

**HU** - Huawei

**IB** - IBM

**IF** - Infinera

**IN** - Intel

**IX** - Ixia

**JU** - Juniper Networks

**KM** - KeyMile

**KY** - KyLand

**LN** - Lenovo

**ML** - Mellanox

**ME** - Meraki (Cisco)

**MT** - MikroTik

**MO** - Moxa

**MR** - MRV

**NC** - NEC

**NG** - Netgear

**NK** - Nokia

**NT** - Nortel

**NS** - NSN

**OR** - Oracle

**PA** - Palo Alto Network

**PL** - Planet

**QC** - QCT(Quanta)

**QN** - QNAP

**RD** - RAD

**RW** - RadWare

**RC** - Raisecom

**RK** - Ruckus

**RU** - Ruijie Networks

**SG** - Samsung

**SV** - Sandvine

**SC** - Silicom

**SF** - SolarFlare

**SW** - Sonicwall

**SM** - Supermicro

**SY** - Synology

**TC** - Telco Systems

**TP** - TP-LINK

**TN** - Trendnet

**UN** - Ubiquiti Networks

**VX** - VeEx

**WG** - WatchGuard

**WS** - Waystream

**WT** - Westermo

**ZT** - ZTE

**ZX** - Zyxel

**HP** - HP

**AG** - Avago

**OC** - Oclaro

**EU** - Emulex

**TM** - Transmode

**AU** - HP Aruba

**XX** - Other

## 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.

## Ordering Information:

| Part Number         | Data Rate      | Applications | Temperature Range | Available DWDM Channels                                       |
|---------------------|----------------|--------------|-------------------|---|
| CWDM-10G-SFP-80-XX* | 9.95-11.32Gbps | Up to 80 km  | 0° - 70°C         | <b>27 to 61</b><br>ITU-T 100Ghz C-Band 1563.86nm to 1528.77nm |

\*XX represents the chosen channel, thus Ch.27 would be CWDM-10G-SFP-80-27 (1270nm)

