



## Product Specification:

| Parameter                   | Value  |
|-----------------------------|--|
| Media Type:                 | Single-Mode Fiber (SMF)  |
| Tx Wavelength:              | 1330 nm  |
| Rx Wavelength:              | 1270 nm  |
| Minimum Optical Budget:     | 6.2 dB   |
| Maximum Distance:           | 10 km  |
| Supported Data Rate:        | 1.25-10.31 Gbps  |
| Supported Applications:     | 10G Ethernet (10.31 Gbps) Gigabit Ethernet (1.25 Gbps) STM-64 (9.95 Gbps)  |
| DDM/DOM:                    | Support  |
| Temperature Range:          | Industrial -45°C - +85°C   |
| Connectors:                 | Single LC  |
| Tx Wavelength Bandwidth:    | 40 nm (1310-1350 nm)   |
| Rx Wavelength Bandwidth:    | 40 nm (1250-1290 nm)   |
| Minimum Transmitting Power: | -7.8 dB  |
| Maximum Transmitting Power: | 1 dB   |
| Receiver Sensitivity:       | -14 dBm  |
| Receiver Overload:          | 0.5 dBm  |
| Dispersion:                 | 70-100 ps/nm   |
| Transmitter Type:           | DFB Laser  |
| Receiver Type:              | PIN Photodiode   |
| Sidemode Suppression Ratio: | 35 dB  |
| Max. Receiver Reflectance:  | - 12 dB  |
| Power:                      | +3.3V single power supply  |
| Power Consumption:          | 220 mA   |
| MTBF value at 35 °C:        | 1'000'000 Hours.   |
| Chip-set:                   | MAXIM MINDSPEED SEMTECH  |
| Compliance:                 | CE Class 1 FDA and IEC60825-1 Laser Safety Compliant RoHS SFF-8431 SFP MSA |



## 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

## 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.

