**GPON OLT SFP Class C+ 1490nm-TX/1310nm-RX 20km Transceiver**

**HTOGP4321-PSGC**

GPON OLT SFP Transceiver Module (Class C+, 1490nm-TX/1310nm-RX, 20km, SC, DDM)

HTOGP4321-PSGC is a high-performance class C+ GPON OLT SFP transceiver designed for Passive Optical Network (GPON) application. It is supplied in the SFP package with a single SC/UPC receptacle connector. It can fully support the GPON OLT C+ application specified by the ITU-T G.984.2 class C+ specifications. This GPON OLT transceiver module consists of 1490nm continuous-mode 2.5Gbps DFB transmitter, 1310nm burst-mode 1.25Gbps APD receiver, Preamplifier and WDM filter in a high-integrated optical sub-assembly. It is a Class 1 laser product comply with the IEC 60825-1 and IEC 60825-2, and it is ROHS6 compliant.

**Features**

• Support ITU-T G.984.2 GPON OLT C+ application

• Single fiber bi-directional data links with asymmetric 2.488Gbps Tx and 1.244Gbps Rx

• 1490nm continuous-mode transmitter with DFB LD

• 1310nm burst-mode receiver with APD-TIA

• 2-wire interface for integrated digital diagnostic Monitoring

• SFP package with SC/UPC receptacle optical interface

• Single +3.3V power supply

• RoHS6 Compliant

**Applications:**

● FTTH

● Gigabit Passive Optical Networks

**Specifications:**

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| **Product Series** | GPON OLT | **Part Number** | HTOGP4321-PSGC |
| **Form Factor** | SFP | **Data Rate** | 2.5Gbps-TX/1.25Gbps-RX |
| **Wavelength** | 1490nm-TX/1310nm-RX | **Fiber Type** | SMF |
| **Max Distance** | Class C+ (20km) | **Optical Components** | DFB/APD |
| **Transmitter Power** | 3 ~ 7 dBm | **Extinction ratio** | > 8.2 dB |
| **Receiver Sensitivity** | < -30 dBm | **Receiver Overload** | > -12 dBm |
| **Connector** | SC Simplex | **Digital Diagnostic Monitoring** | Yes |
| **Environment** | Operating: 0°C to 70°C Storage: -40°C to 85°C | **Weight** | 0.03 kg |
| **Application** | GPON OLT Class C+ application FTTX FTTH WDM Broadband Access | **Compliance** | IEC/EN 61000-4-2,IEC-60825 FDA 21CFR 1040.10 and 1040.11 RoHS |

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| Part No | Package | Fiber Type | Data Rate | Distance | Connector | Temperature range | DDMI | Application |
| HTOGP4321-PSGC | GPON OLT C+ | DFB | TX 2.488Gbps/RX 1.244Gbps | 20km | SC/UPC | -5~70℃ | Y | DML |