D-TECH GPON SFP

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Variants

Huawei Class C+++ GPON 7dbm C++ Nokia Class C+++ ZT Class C++ Huawei Class C++ GPON 5dbm C+ GPON 9dbm C+++ GPON 8dbm C+++

Details

The **GPON OLT SFP Module** is designed for GPON access networks and supports high-performance optical transmission between OLT and ONU devices. These modules utilize **1490nm transmission** and **1310nm reception** wavelengths with an integrated WDM filter, providing reliable connectivity for FTTH, ISP, telecom, and enterprise GPON deployments.

Available in **B+, C++, C+++, and C++++** optical budget classes, these modules support long-distance fiber transmission and high split-ratio GPON network architectures.

GPON Speed	**1.25G**
Wavelength	**1490/1310**
Form Factor	

SFP

Connector

SC

Key Features

? GPON Access Network Support

? 1490nm DFB Continuous Mode Transmitter

? 1310nm Burst Mode APD Receiver

? Integrated WDM Filter

? Digital Diagnostic Monitoring (DDM)

? SFF-8472 Compatible

? Hot-Pluggable SFP Design

? RoHS Compliant

Product Specifications

Model	Package	Data Rate	Wavelength	Laser	Tx Power	Interface
GPON OLT B+	SFP	1.25G / 1.25G	Tx1490 / Rx1310	DFB / APD	3 ~ 5 dBm	SC

Model	Package	Data Rate	Wavelength	Laser	Tx Power	Interface
GPON OLT C++	SFP	1.25G / 1.25G	Tx1490 / Rx1310	DFB / APD	5 ~ 7 dBm	SC
GPON OLT C+++	SFP	1.25G / 1.25G	Tx1490 / Rx1310	DFB / APD	7 ~ 10 dBm	SC
GPON OLT C++++	SFP	1.25G / 1.25G	Tx1490 / Rx1310	DFB / APD	9 ~ 10 dBm	SC

Receiver Sensitivity

Module Type	Receiver Sensitivity
GPON OLT B+	? -30 dBm
GPON OLT C++	? -32 dBm
GPON OLT C+++	? -32 dBm
GPON OLT C++++	? -32 dBm

Absolute Maximum Ratings

Parameter	Symbol	Min	Max	Unit
Storage Temperature	Ts	-40	+85	°C

Parameter	Symbol	Min	Max	Unit
Operating Temperature	Top	0	+70	°C
Supply Voltage	Vcc	-0.5	+3.6	V
Supply Current	Icc	-	400	mA

Recommended Operating Conditions

Parameter	Symbol	Min	Max	Unit
Operating Temperature	Top	0	+70	°C
Supply Voltage	Vcc	3.1	3.5	V

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