

Technical Data Sheet

EPON PX20+++ SFP OLT Transceiver



PRODUCT CODE
NTPL-EPNM1G03

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Product Description:

E-PON OLT transceiver module has been designed for low cost point to multi point (P2MP) Fiber to the Home, Business or Curb (FTTX) systems employing high-speed burst mode TDM receivers/transmitters in 1250 Mb/s symmetrical duplex data links. The device is based on the IEEE 802.3ah specification for bi-directional communications over a single fiber and incorporates a high performance 1310 nm burst mode APD Receiver and 1490 nm CW mode DFB transmitter. The Receiver Loss of Signal (Rx_LOS), Transmit Disable (Tx_DIS), Transmit Fault (Tx_FAULT) and the 8472 I2 C diagnostic interface monitor and control functions are LVTTTL compatible. The industry standard 2x10 small form pluggable (SFP) package incorporates the SC receptacle. It is fabricated with a rugged die cast metal housing and cage assembly. Commercial and industrial case temperature ranges are available. RoHS compliant models are offered.

Quick Details:

Place of Origin: China

Brand Name: Nepstech

Model Number: **NTPL-EPNM1G03**

Product name: GEAPON OLT PX20 SFP module

Data Rate: 1.25g

Transmission Distance: 20km

Wavelength: 1490nm TX/1310nmRX

Types of Interface: SC

launching power: 3-5dBm or 5-7dBm

Fiber Mode: Single Mode Fiber (SMF)

Form Factor: GEAPON SFP OLT

Class: PX20+, PX20++, PX20+++

Applications:

- Gigabit Ethernet Access Networks
- Fiber to the Home, Curb, Office (FTTx)
- Point to Multi Point Service (P2MP)

Features:

- SFP with SC/PC Connector Transceiver
- 1490 nm DFB Tx with isolator
- 1310 nm APD Rx
- Digital diagnostics SFF-8472 Compliant
- 1250 Mbps continuous mode Transmission
- 1250 Mbps Burst mode receiver Data Rate

Provide fast RSSI function

Operation case temperature: -5~70°C

Complies with RoHS directive (2002/95/EC)

Application

GEAPON OLT IEEE802.3ah 1000BASE-PX20+

FTTx

Recommended Operating Conditions:

Parameter	Symbol	Min.	Max.	Unit
Storage Temperature	Tstg	-40	85	°C
Operating Case Temperature	Tc	-5	70	°C
Power Supply Voltage	Vcc	3.1		

Technical Specifications:

EPON OLT PX20+/PX20++/PX20+++ Diplexer, 20km, Tx 1490nm 1.25G, Rx 1310nm 1.25G,

SFP form-factor, SC/UPC receptacle connector, Commercial temperature.



NEPS Technologies Private Limited

Website : www.nepstech.co.in