

Hisense LTE3680P-BC Datasheet



Hisense LTE3680P-BC+ CLASS C+ 2488/1244 Mb/s SFP GPON OLT Transceiver

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The LTE3680P is a low cost point-to-multipoint (P2MP) Fiber to the Home, Business or Curb (FTTX) GPON OLT transceiver. It is designed for 2488Mb/s downstream and 1244Mb/s upstream duplex data links that employ high-speed burst mode TDM receivers. It is based on the ITU-T G.984.2 for bidirectional communications over a single fiber and incorporates a high performance 1310nm Burst Mode APD/TIA receiver and 1490nm CW mode DFB transmitter. The Burst Signal Detect (BSD), the Burst Mode Receiver Reset (Rx_RESET), Transmit Disable (Tx_DIS), Transmit Fault (Tx_FAULT) are LVTTTL compatible. The industry standard 2x10 small form pluggable (SFP) package incorporates the SC/UPC receptacle. It is fabricated with a rugged die cast metal housing and cage assembly.

Applications

- Access Networks
- Fiber to the Home, Curb, Office (FTTx)
- Point to Multi Point Service (P2MP)
- ITU-T G.984.2

Features

- Dual Wavelength
- Single Fiber

- Full Duplex Operation
- Single 3.3V DC supply
- Low Power Consumption
- 2x10 SFP Package Outline
- Bail Latching Mechanism
- SC/UPC Optical Receptacle
- Fast Rx SIGNAL DETECT
- G.984.2 Compliant

Specifications

- Product Name: GPON OLT Class C++
- Part Number: LTE3680P-BC+
- Package: SFP
- Interface: SC/UPC
- Reach: 20km
- Temp: C
- Tx Output: 4.5~10dBm
- Tx Rate: 2.488Gb/s
- Rx Input: -30dBm
- Rx Rate: 1.244Gb/s

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