



The EPON OLT Transceiver module is designed for Gigabit Ethernet Passive Optical Network EPON 20km transmission. The module incorporates 1490nm continuous-mode transmitter and 1310nm burst-mode receiver.

APC	1490nm DFB	class-1
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Parameter	Symbol	Unit	Min	Typ	Max	Test condition

- Note1:**Coupled into 9/125 SMF
- Note2:**Measured without data input
- Note3:**Measured with PRBS 2⁷-1 test pattern @1.25Gbps
- Note4:**Measured with the Bessel-Thompson filter ON
- Note5:**Mask of diagram

Note8: Define T_{settling} as the time from the Tx_BEN assertion, minus the Ton time, to the time the electrical signal the Reciever output reaches within 15% of its steady state conditions. It is shown in the Figure 1.

Note9: See Figure 2.

Note10: LVPECL output, DC coupled internal see the recommended circuit on page 14).

Note11: Burst optical Power received Detect.