



EPON ONU Triplexer Transceiver

Features

① ②
× ×
:

Applications

Standards

*ah*TM

RTXM170-501

Optical and Electrical Characteristics

T_o $^{\circ}C$ $^{\circ}C$

Parameter	Symbol	Unit	Min	Typ	Max	Note
Digital Transmitter						

Coupled into 9/125um.

Measured with PRBS 2⁷-1 test pattern @ 1.25Gbps.

Refer to Timing Parameter Definition in Burst Mode Sequence, See Figure 4.

Measured with the Bessel-Thompson filter ON.

DC coupled internally and terminated internally (see the recommended circuit below).

See Figure 5.

Measured with PRBS 2⁷-1 test pattern @ 1.25Gbps with TX on, ER= 10dB, BER= 10E-12.

An increase in optical power above the level will cause the Signal Detect output to switch from a low state to a high state, Refer to Timing Parameter Definition of RX ALM Assert/Dessert time, see Figure 6.

A decrease in optical power below the level will cause the Signal Detect output to switch from a high state to a low state, Refer to Timing Parameter Definition of RX ALM Assert/Dessert time, see Figure 7.

AC coupled internally (see the recommended circuit below).

Test from 45MHz to 1000MHz.

*Test at _____, (_____ %)
(_____ %).*

*Test at -6dBm Optical Input Power, (_____ %)
(_____ %).*

*Test at +2dBm Optical Input Power, (_____ %)
(_____ %).*

Test from 45MHz to 1000MHz.

Within 15% of optical steady state



Figure 4

Regulatory Compliance

Feature	Test Method	Performance

Ordering Information

Part No.	Specifications	Application

×

The length of pigtail is normal 255mm ± 20mm (the length of connector is included).