

# Is BOB an optical port module



## Overview

The chip applied to the GPON optical module and the BOB can achieve basic functions of a common optical module chip, and can also provide high-drive voltage needed by GPONBOSA. The invention discloses a kind of light transmit-receive integrated component and BOB optical module with interference free performance comprising BOSA shell, ROSA structure and conductor ground structure. BOSA shell includes the rectangular housing of BOSA, TOSA structure and tail optical fiber. Disclosed are a bi-directional optical sub-assembly (BOSA) with an anti-interference performance, and a BOB optical module. The bi-directional optical sub-assembly comprises a BOSA shell, a ROSA structure (4), and a conductor grounding structure, wherein the BOSA shell comprises a BOSA square outer. The BOB testing system comprises an upper computer, and an optical line terminal, a BOB module and an integrated authentication system integrated with an optical attenuator which are all connected with the upper computer, and an optical splitter which is synchronously connected with the optical. The invention provides a chip applied to a GPON optical module and a BOB. The chip comprises a main chip circuit and an APD boosted circuit, wherein the APD boosted circuit is

integrated in the chip.

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The utility model belongs to the optical communication technique field, specifically, relates to a kind of loopback debug system of the optical network unit based on BOB.



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The two-way BOSA component, the optical module, and the PON system disclosed in the embodiments of the present invention are described in detail. The principles and implementation manners of...



This integration facilitates the module's connection from a PON network to a dedicated Ethernet SFP+ port on routers. The system is capable of supporting 10G data transmission speeds ...



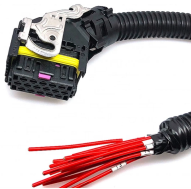
The invention discloses a BOB (BOB on Board) testing system and a method for automatically calibrating BOB receiving power, and aims to solve the problems of complex operation, low accuracy...



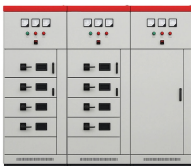
BOSA (Bi-Directional Optical Sub-Assembly) combines the functions of TOSA and ROSA into one unit for two-way communication. Understanding these components is essential for ...



The present invention relates to technical field of optical fiber communication, and in particular to a kind of light transmit-receive integrated component with interference free performance And...



The invention provides a chip applied to a GPON optical module and a BOB. The chip comprises a main chip circuit and an APD boosted circuit, wherein the APD boosted circuit is integrated in...



Disclosed are a bi-directional optical sub-assembly (BOSA) with an anti-interference performance, and a BOB optical module.



The product comprises an optical transceiver module interface module integrating a semiconductor laser and an optical receiving component, a laser driver, a limiting amplifier and a PON...

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