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ICS 33.180.01
CCS M33

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4857.1-2024

800Gb/s Phase Modulated Optical Transceiver Module - Part 1: ZR

800Gb/s相位调制光收发合一模块 第1部分：ZR

(English Translation)

Issued on: July 5, 2024 **Implemented on: October 1, 2024**

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-4857-1-2024

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1 Foreword

YD/T 4857.1-2024 was issued by Ministry of Industry and Information Technology on 5 July 2024 and has been in force since 1 October 2024.

The YD/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

The document runs to 15 pages in English translation.

2 Scope Preview

This standard specifies the terms, definitions and abbreviations of 800Gb/s ZR phase-modulated optical transceiver modules, specifies the technical requirements of the optoelectronic characteristic parameters, packaging form, appearance, software and environmental compliance of optical modules, specifies the corresponding test methods, specifies the inspection rules, marking, packaging, transportation and storage, etc. This standard applies to the design, development, production and inspection of 800Gb/s ZR phase-modulated optical transceiver modules.

YD/T 4857.1-2024 falls under ICS 33.180.01, in the field of telecommunications.

This catalogue holds 3,420 other YD/T standards in that field.

In this catalogue, YD/T standards carry edition years from 1982 to 2026.

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3 About this standard

Sector: Telecommunication Industry Standard (Recommended)

Issued by: Ministry of Industry and Information Technology

English translation: about 15 pages (approximate)

4 Related standards

Standards on related subjects:

YD/T 2554.1-2013 - Plastic optical fiber connector - Part 1: Type LC

GB/T 9771.1-2008 - Single-mode optical fibres for telecommunication -- Part 1: Characteristics of a dispersion unshifted single-mode optical fibre

GB/T 18480-2001 - Specification for submarine optical fiber cables

YD/T 4859.3-2026 - Single channel active optical cable transceiver - Part 3: 100Gb/s AOC

YD/T 4859.2-2025 - Single channel active optical cable transceiver - Part 2: 50Gb/s AOC

YD/T 4844-2024 - Synchronous Network Terms and Definitions

5 Classification and status

International classification (ICS): 33.180.01

Chinese Standard Classification (CCS): M 33

Prefix YD/T: recommended standard.

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