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ICS 33.180.01
CCS M33

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 2799.5-2023

Technical conditions for integrated coherent optical receivers - Part 5: 800Gb/s

集成相干光接收器技术条件 第5部分：800Gb/s

(English Translation)

Issued on: July 28, 2023 **Implemented on: November 1, 2023**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 2799.5-2023 was issued by Ministry of Industry and Information Technology on 28 July 2023 and has been in force since 1 November 2023.

It is one of 6 parts of the YD/T 2799 series.

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.

2 Scope Preview

This standard specifies the abbreviations, terms and definitions, working principles and functional block diagrams, technical requirements, test methods, reliability tests, inspection rules, marking, packaging, transportation and storage of 800Gb/s integrated coherent optical receivers. This standard applies to the design, development, production and inspection of 800Gb/s integrated coherent optical receiver components.

YD/T 2799.5-2023 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

Other parts of this standard:

YD/T 2799.1-2015 - Integrated coherent optical receiver technology conditions - Part 1: 40Gb / s

YD/T 2799.2-2015 - Integrated coherent optical receiver technology conditions - Part 2: 100Gb / s

YD/T 2799.3-2018 - Technical specification of integrated intradyne coherent receiver--Part 3: 100Gbit/s micro-intradyne coherent receiver

YD/T 2799.4-2021 - Technical specification of integrated intradyne coherent receiver - Part 4: 400Gb/s

YD/T 2799.6-2026 - Technical specification of integrated intradyne coherent receiver - Part 6: 1.2Tb/s

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

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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