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ICS 33.180.01

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4378.1-2023

Coherently driven integrated modulator components - Part 1: 400Gb/s ~ 600Gb/s

相干驱动集成调制器组件 第1部分：400Gb/s～600Gb/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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https://chinastandards.org/standards/yd-t-4378-1-2023

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1 Foreword

YD/T 4378.1-2023 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 3 parts of the YD/T 4378 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 terms, definitions and abbreviations of 400Gb/s ~ 600Gb/s coherent drive integrated modulator components, specifies the modulator's optical and electrical performance, appearance, environmental compliance and other technical requirements, describes the corresponding test methods, reliability sexual testing, inspection rules, marking, packaging, transportation and storage, etc. This standard applies to the design, development, production and inspection of 400Gb/s ~ 600Gb/s coherent driver integrated modulator components.

YD/T 4378.1-2023 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 4378.2-2023 - Part 2: 800Gb/s

YD/T 4378.3-2026 - Coherent driver modulator subassembly - Part 3: 1.2Tb/s

Standards on related subjects:

JB 2293-1978 - Wind tunnel test method of radiator of automobile and tractor

YD/T 4044-2022 - Technical requirements for AI-based knowledge graph construction

5 Classification and status

International classification (ICS): 33.180.01

Prefix YD/T: recommended standard.

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