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ICS 33.180.01
CCS M33

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6087.1-2024

Optical circuit board components for communication - Part 1: Fiber-optic type

通信用光路板组件 第1部分：光纤型

(English Translation)

Issued on: October 24, 2024 **Implemented on: February 1, 2025**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 6087.1-2024 was issued by Ministry of Industry and Information Technology on 24 October 2024 and has been in force since 1 February 2025.

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 and definitions of optical fiber optical circuit board assemblies for communications, specifies the technical requirements for optical performance, reliability performance, environmental adaptability, etc. of optical circuit board assemblies, describes the corresponding test methods, and specifies the inspection rules, marking, packaging, transportation and storage, etc. This standard is applicable to the design, development, production and inspection of single-mode optical fiber optical circuit board assemblies in optical communication application scenarios.

YD/T 6087.1-2024 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 6086.3-2025 - 800Gb/s Intensity modulation pluggable transceiver module - Part 3: 2x400Gb/s CWDM4

YD/T 6086.2-2025 - 800Gb/s intensity modulation pluggable transceiver module - Part 2: 4x200Gb/s

YD/T 6098-2024 - AI-enabled communication network architecture and AI general capability technical requirements

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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