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ICS 33.180.01
CCS M33

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6449-2025

Reliability test method for non-hermetic optoelectronic devices used in communications

通信用非气密光电子器件可靠性试验方法

(English Translation)

Issued on: July 2, 2025 **Implemented on: November 1, 2025**

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-6449-2025

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1 Foreword

YD/T 6449-2025 was issued by Ministry of Industry and Information Technology on 2 July 2025 and has been in force since 1 November 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 reliability test methods for non-hermetic optoelectronic devices used in communication, including the purpose, equipment, conditions, procedures, inspection, and failure criteria of the tests. This standard applies to the reliability testing of non-hermetic optoelectronic devices used in communication.

YD/T 6449-2025 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.

3 About this standard

Sector: Telecommunication Industry Standard (Recommended)

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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 1114-2026 - Halogen-free flame retardant optical fibre cable

YD/T 6450-2025 - Intelligent optical distribution network adapter dust plug

YD/T 6442-2025 - Technical requirements for broadband customer networking based on public telecommunication network - Fiber-to-the-room (FTTR)- Network management

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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