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ICS 31.080; 31.260
CCS L51

NATIONAL STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

GB/T 15651.4-2017

Semiconductor devices - Part 5-4: Optoelectronic devices - Semiconductor lasers

半导体器件 分立器件 第5-4部分:光电子器件 半导体激光器

(English Translation)

Issued on: April 30, 2026 **Implemented on: November 1, 2026**

Issued by: State Administration for Market Regulation, China National Standardization Administration

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1 Foreword

GB/T 15651.4-2017 was issued by State Administration for Market Regulation, China National Standardization Administration on 30 April 2026 and has been in force since 1 November 2026.

It is one of 8 parts of the GB/T 15651 series.

The GB/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

GB/T 15651.4-2017 falls under ICS 31.080; 31.260, in the field of electronics.

This catalogue holds 1,274 other GB/T standards in that field.

In this catalogue, GB/T standards carry edition years from 1963 to 2026.

3 About this standard

Sector: National Standard (Recommended)

Issued by: State Administration for Market Regulation, China National Standardization Administration

English translation: about 23 pages (approximate)

Chinese original: about 34,365 characters

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4 Related standards

Other parts of this standard:

GB/T 15651-1995 - Semiconductor devices--Discrete devices and integrated circuits. Part 5: Optoelectronic devices

GB/T 15651.2-2003 - Discrete semiconductor devices and integrated circuits -- Part 5-2: Optoelectronic devices Essential ratings and characteristics

GB/T 15651.3-2003 - Discrete semiconductor devices and integrated circuits -- Part 5-3: Optoelectronic devices Measuring methods

GB/T 15651.5-2024 - Semiconductor devices - Part 5-5: Optoelectronic devices - Photocouplers

GB/T 15651.6-2023 - Semiconductor devices - Part 5-6: Optoelectronic devices - Light emitting diodes

GB/T 15651.7-2024 - Semiconductor devices - Part 5-7: Optoelectronic devices - Photodiodes and phototransistors

GB/T 15651.13-2026 - Semiconductor devices - Part 5-13: Optoelectronic devices - Hydrogen sulphide corrosion test for LED packages

Other editions:

GB/T 15651.4-2026 (later edition)

Standards on related subjects:

GB/T 30117.1-2024 - Photobiological safety of non-coherent light products - Part 1: General requirements

GB/T 7247.1-2024 - Safety of Laser Products - Part 1: Equipment Classification and Requirements

GB/T 18490.1-2017 - Safety of machinery -- Laser processing machines -- Part 1: General safety requirement

5 Classification and status

International classification (ICS): 31.080; 31.260

Chinese Standard Classification (CCS): L 51

Prefix GB/T: recommended standard.

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