Chinastandards.org

ICS 33.180.20
CCS L50

NATIONAL STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

GB/T 18311.55-2026

Replacing GB/T 18311.40-2003

Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-55: Examinations and measurements - Polarisation extinction ratio and keying accuracy of polarisation maintaining, passive, optical components

纤维光学互连器件和无源器件 基本试验和测量程序 第3-55部分：检查和测量 偏振保持无源器件的偏振消光比和键位精度

(English Translation)

Issued on: August 28, 2026 **Implemented on: March 1, 2027**

Issued by: State Administration for Market Regulation;
Standardization Administration of China

Preview: page 1 of 2 shown, 28 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-18311-55-2026

Chinastandards.org

Table of Contents

Foreword

1 Scope

2 Normative references

3 Terms and definitions

Foreword

GB/T 18311.55-2026 is a recommended national standard (GB/T) of the People's Republic of China, issued on 28 August 2026 by the State Administration for Market Regulation and the Standardization Administration of China, with effect from 1 March 2027.

This edition replaces GB/T 18311.40-2003.

The document adopts an international standard (ISO or IEC).

It is under the responsibility of the Ministry of Industry and Information Technology (Electronics).

Classification: ICS 33.180.20; CCS L50.

1 Scope

Polarisation-maintaining optical components, such as fibres, couplers and connectors, must preserve the polarisation state of light, and two properties are central to judging them: the polarisation extinction ratio and the keying accuracy. This document is Part 3-55 of the series on basic test and measurement procedures for fibre optic interconnecting devices and passive components, and it concerns the examination and measurement of those two properties in polarisation-maintaining passive components.

It is useful to manufacturers of fibre optic components, to laboratories performing optical measurements, and to system integrators in telecommunications, sensing and instrumentation who specify polarisation-maintaining parts and need comparable test results. The standard is a recommended national standard that adopts an international standard. It was issued on 28 August 2026 and takes effect on 1 March 2027. It replaces GB/T 18311.40-2003, so users of the earlier document should plan to work to this edition.

Preview: page 2 of 2 shown, 28 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-18311-55-2026