

ICS 33.180.20
CCS M33

YD

**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

YD/T 2000.4-2026

**Integrated optical path devices based on planar lightwave
circuit - Part 4: Arrayed waveguide grating router**

平面光波导集成光路器件 第4部分：阵列波导光栅路由器（AWGR）

(English Translation)

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Foreword

YD/T 2000.4-2026 is a recommended industry standard of the People's Republic of China in the Telecom sector, approved and issued by the Ministry of Industry and Information Technology on 1 June 2026, with effect from 1 September 2026.

It is administered by the China Communications Standards Association.

Classification: ICS 33.180.20; CCS M33.

1 Scope

Part 4 of the YD/T 2000 series covers the arrayed waveguide grating router (AWGR), an integrated optical path device based on planar lightwave circuit technology. It defines terms and definitions, sets technical requirements for performance parameters, restricted substances and reliability, and describes the corresponding test methods. It also sets rules for inspection, marking, packaging, transport and storage.

The document applies to the design, development, production and inspection of arrayed waveguide grating routers. It is used by component manufacturers, by makers of optical communication equipment who build these devices into their products, by test laboratories and by buyers. It is a voluntary standard, as shown by the /T in its code. It was approved and issued by the Ministry of Industry and Information Technology on 1 June 2026 and takes effect on 1 September 2026. It is a new standard.