

WS2813 Intelligent Control LED Chip

The WS2813 is an intelligent control LED light source that integrates a control circuit and an RGB chip. It features a signal break-point continuous transmission function, ensuring that if one LED fails, the others will continue to function normally.



Overview

Intelligent Control LED Technology

The WS2813 is a sophisticated intelligent LED light source that integrates a control circuit and an RGB chip within a single, compact package. Designed for high reliability, it features signal break-point continuous transmission, ensuring that if one LED fails, the remaining pixels continue to function normally. This makes it an ideal choice for large-scale, professional lighting displays where downtime must be minimized.

Technical Specifications

Data Handling

- Intelligent digital port data latch
- Signal reshaping amplification drive circuit
- Cascading control via single data line

Data Transfer Protocol	Single NZR communication mode
Reset Time	280 μ s

Performance Features

Core Advantages	Break-point continuous transmission, Precision internal oscillator, Programmable constant current control, Power-on reset, Color consistency
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Compliance

Industry Certifications

CE • FC • ROHS