

High-Bandwidth Isolation Amplifiers

Introduction

The high-bandwidth isolation amplifier developed by Startorus Fusion is designed for high-speed analog signal isolation. It supports ± 2.5 V input, with a bandwidth ranging from DC to 50 MHz and an isolation voltage of 1500 VDC. It features 8 independent and mutually isolated channels. With a 1 M Ω input impedance, errors caused by the internal resistance of signal sources can be reduced. It also incorporates noise suppression measures to minimize system noise impact. The isolation amplifier is housed in a compact and portable aluminum alloy casing, making it easy to operate and use.



Parameters

- Gain: 1
- Number of Channels: 8
- Bandwidth: DC-50 MHz (-3 dB)
- Accuracy: 0.5%
- Input Voltage Range: ± 2.5 V
- Input Impedance: 1 M Ω
- Isolation Voltage: 1500 VDC

Applications

Isolation amplifiers can be applied in industrial measurement and control systems in electric power, electronics, petrochemicals, and steel, providing common-mode voltage isolation and safety protection of equipments, ensuring system stability and reliability.