DVS optical module



Overview

DVS-A fully integrated DVS module | YB PhotonicsBased on the above customer needs, our company has launched a new generation of DVS-A series products, whic.

Key Takeaways

A DVS optical module is a highly integrated device for distributed fiber vibration sensing, combining laser sources, modulators, detectors, and signal processing to monitor vibrations along optical fibers. OverviewDVS (Distributed Vibration Sensing) optical modules are designed for real-time monitoring of vibrations along optical fibers, using a single fiber to detect disturbances over long distances. They are widely applied in perimeter security, pipeline monitoring, bridge and highway safety, and fiber optic fault detection.

The modules leverage phase-sensitive OTDR principles, detecting Rayleigh scattered light to extract phase and intensity information for vibration analysis.

Key Features

Integrated Components: Modern DVS modules combine ultra-narrow linewidth lasers (



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Article Content

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Based on the above customer needs, our company has launched a new generation of DVS-A series products, which is the ALL IN ONE all-in-one integrated module of DVS.The module

Contact Us

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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