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## Semiconductor Devices for Optical Communication | H ...

optical signals. Some of the advantages of TDM over all optical devices include compact size, lower cost, high reliability and versatility in the operation. However the optimum performance or bit-rate depends on the speed of each individual circuit, which is primarily limited by the semiconductor technology used. In general, a TDM system

## Semiconductor devices for fiber optic communication systems

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ment of the semiconductor laser for optical communication focusing mainly on Sumitomo Electric ' s R&D activities. With the progress of optical transmission technology, various kinds of semiconductor lasers have been developed for the application to wavelength division multiplexing, high speed, low power consumption, and photonic integration.

## Development of Semiconductor Laser for Optical Communication

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