

Laser Industry Award for Excellent Product



Narrow linewidth Tunable Laser based on DFB laser array for Digital Coherent Transmission

**FURUKAWA
ELECTRIC**

FURUKAWA ELECTRIC CO., LTD.



Features & Application

We started research and development of tunable lasers in 2000, and by developing semiconductor technology that enables monolithic integration, small package technology using resin bonding, and low noise control circuit technology, we have achieved the world's highest level of high output and excellent wavelength stability. Then, we commercialized a narrow linewidth tunable light source for digital coherent communication. With the spread of 5G network, further expansion of transmission capacity is expected in the future. Tunable lasers, which have been used as key devices for next-generation optical communication, are expected to produce many economic effects.

We will continue to research, develop and commercialize high-performance laser light source products, and contribute to the realization of a truly prosperous and sustainable society through the development of optical communications.