

标题: Recent VECSEL developments for Sensors Applications

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摘要: Vertical external cavity surface emitting lasers (VECSELS) have proven themselves to be a suitable semiconductor answer to many solid-state lasers. Their simplicity makes them a very versatile platform for accessing wavelengths from the UV through the THz through direct and frequency-converted emission. This wavelength flexibility, combined with an optical cavity accommodating additional tuning or nonlinear elements, make the VECSEL a uniquely suited solution to a variety of applications. We will present recent Air Force Research Laboratory progress in VECSELS and potential applications for these lasers.

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