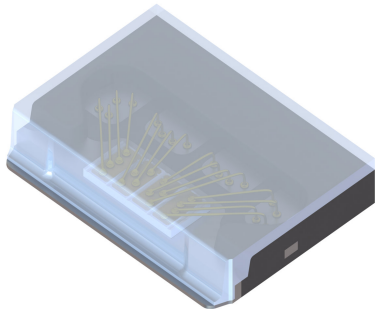
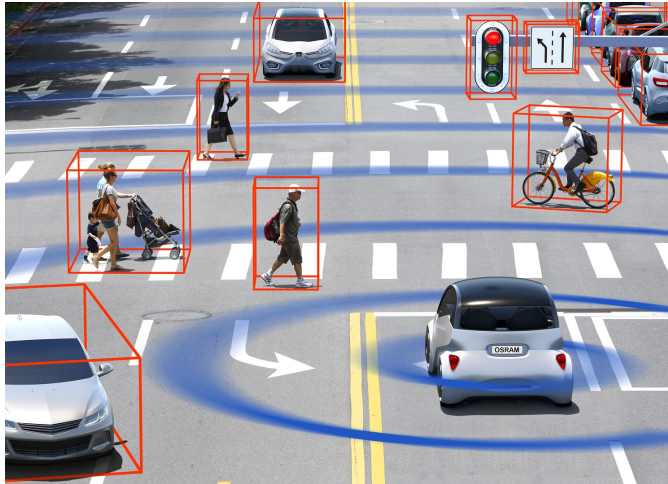


Two new Osram infrared high-power SMT components for lidar extend options for system developers. They offer 125 watts per channel and an efficiency of up to 33%. Osram introduced the first 905-nm laser to the market more than ten years ago; they say it is today's most commonly used wavelength for automotive lidar.



The four-channel version of Osram's new laser features a chip with four emission areas for 480 watts of optical power. This enables a much longer detection range than other lasers, yet with dimensions of just $3.35 \times 2.45 \times 0.65$ mm, it's only slightly larger than the single-channel-version at $2.0 \times 2.3 \times 0.65$ mm.

The two new high-power lasers expand Osram's photonics portfolio for lidar applications and offer ease of use for the customer in their system integration. Osram Opto Semiconductors product manager Rena Lim cites the new lasers' high power and extended duty cycle range of up to 0.2% in as the reasons for equipped lidar systems to "reach a longer detection range in the application and better resolution".