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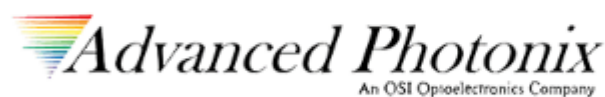
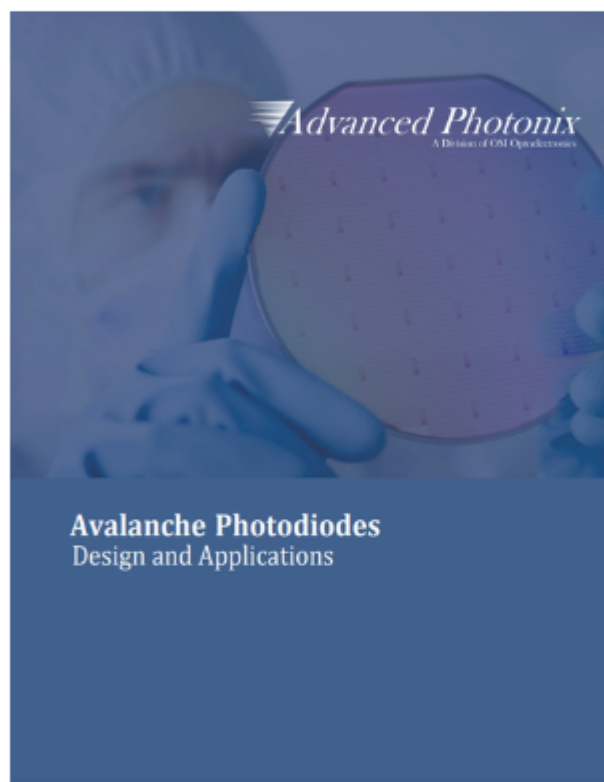
WHITE PAPERS & APPLICATION NOTES



Avalanche Photodiodes - Design and Applications

This white paper will discuss avalanche photodiodes beginning with a brief description, their applications, and the basics of operation. The discussion will be an overview of the important performance parameters of traditional APD structures, structure-function properties, and parameters characterization. Also included will be an important section on Geiger mode APDs, aka Single Photon Avalanche Detectors (SPADs), with a closing section on Silicon Photomultipliers, aka Micro-Pixel Photon Counters.

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