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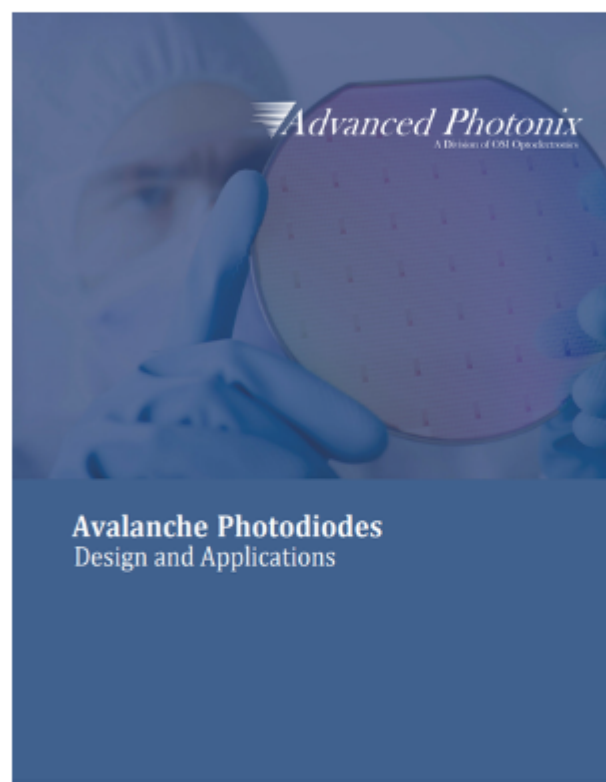
WHITE PAPERS & APPLICATION NOTES



Avalanche Photodiodes - Design and Applications

This white paper introduces Avalanche Photodiodes (APD), their applications and the basics of operation. The discussion outlines the critical performance parameters of traditional APD structures, structure-function properties, and parameters characterization. The paper continues the discussion with an overview of Geiger mode APDs, or Single Photon Avalanche Detectors (SPADs), and Silicon Photomultipliers, or Micro-Pixel Photon Counters.

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