

SPECIALTY FIBER: Fiber Lasers Lower Cost of Making SAWs

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Fiber lasers are now being used to make high-performance surface-acoustic wave (SAW) devices. These lasers raise throughput and lower cost of ownership in comparison to older solid-state laser technology.

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Surface-acoustic-wave (SAW) devices and modules are widely used in precision electronic components such as modulators, transducers, and filters used in the defense and aerospace industries (see Fig. 1). The demanding military requirements for these devices can create challenges for many of the key manufacturing steps in the production chain.

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