

Acousto-optic fiber optic coupler



Overview

These modulators are based on acousto-optic grade crystals, stable optical collimators, and high-precision mechanical structures. 2 dB) insertion loss and excellent power handling. Custom OEM designs and prototypes are also available. In particular, traveling flexural acoustic waves induce periodic perturbations along the fiber, enabling resonant intermodal coupling between the fundamental core mode and. The AOMF Series Fiberoptic Acousto-Optic Modulators deliver high-speed optical intensity modulation and wavelength shifting with superior performance. 2 dB), high extinction ratio (>62dB), high polarization extinction. SIMTRUM's fiber-coupled acousto-optic tunable filter (AOTF) is an optical device based on the acousto-optic effect that is used to select and adjust a specific wavelength of light. This option adds a third fiber to the AOM output to get the output light of "zeroth" order, i. the light going through the crystal without being deviated when no RF power is applied.



Article Content

Fiber-Coupled Acousto-Optic Modulators

High-performance, compact, fiber-coupled acousto-optic modulators. The Fiber-coupled acousto-optic modulators (FAOM) are based

The acousto-optic effect in single-mode fiber tapers and couplers

Abstract: All-fiber acousto-optic devices based on the null fused taper coupler have been successfully demonstrated as frequency

Fiber-coupled Acousto-Optic Modulators — Brimrose Corp.

The Fiber-coupled AOM models shown above represent some examples of our fabrication capabilities. In addition, other

Fiber Coupled Acousto-Optic Modulator/Shifter Fast Repetition –

The AOMF design features fiber optic collimators aligned to an acousto-optic crystal, with no epoxy in the optical path, ensuring

Fiber-Coupled Acousto-Optic Modulator (FAOM) | Coherent

These modulators are based on acousto-optic grade crystals, stable optical collimators, and high-precision mechanical structures.

Fiber Coupled Acousto-Optic Switch/Modulator/Shifter – 0.5dB Low

The AFOS supports optical power levels up to 10 W and operates across a 350 – 2400 nm wavelength range, compatible with all

Fiber-coupled acousto-optic tunable filter| SIMTRUM Photonics Store

SIMTRUM's fiber-coupled acousto-optic tunable filter (AOTF) is an optical device based on the acousto-optic effect that is used to

Acousto-Optic Couplers in Biconical Fused Optical Fibers for Tunable ...

The devices are obtained by thermally fusing two parallel single-mode optical fibers as stretching the resulting structure to form a

Fiber-coupled AOM (Acousto-Optic Modulator)

These fiber coupled acousto-optic modulators (AOM) are designed to offer an optimal solution for amplitude modulation of laser light

Optics FIBER COUPLED ACOUSTO-OPTIC MODULATOR

Optics FIBER COUPLED ACOUSTO-OPTIC MODULATOR Coherent's Fiber coupled acousto-optic modulator (FAOM) are

Contact Us

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