





AOパルス取出し器 セレクションガイド

Pulse Pickers

AO Modulators (Pulse Pickers) for use External to a Laser Cavity

These High Speed Acousto-Optic Modulators are ideal for use in high speed optical Pulse Picking external to a laser cavity. These Modulators use high efficiency, antireflection coated, TeO₂ or GaP crystals. An option available include AR coated, input / output coupling optics mounted in an integral precision alignment assembly, for optimum focusing of an input laser beam and collimation of the deflected output beam. The combination of high RF carrier frequency and optimum lens design results in a large angular separation, of up to 75 mili-radians, between the zero and the first order deflected output beams. This makes it easy to separate the two beams in space and maintain a static contrast ratio of at least 500:1.

Spectral Range (nm)	Modulator Specification page, by Model Number:	Image	Diffraction Eff. (%) @ nm Input Polarization (Referenced to base)	Active Aperture (mm)	Rise Time (nsec) @ mm dia.	Deflection Angle (mrad)	Optical Power Density/(cm ²) Ave./Pk	Interaction Material
700 to 1064	17389-.93		>70 @ 800 Linear Perpendicular	0.07	7 @ .035	73 @ 800	35KW/50MW	TeO ₂
	Pulse Picker		>60 @ 800 Random					Compressional
700 to 1064	17389-.93-FOA		>70 @ 800 Linear Perpendicular >60 @ 800 Random	0.07	7 @ .035	73 @ 800	35KW/50MW	TeO ₂
	Pulse Picker with Bragg Mount							Compressional
700 to 1064	17389-.93-FOA / 71009		>70 @ 800 Linear Perpendicular >60 @ 800 Random	0.07	7 @ .035	73 @ 800	35KW/50MW	TeO ₂
	Pulse Picker with Focusing Optics Assembly							Compressional
1064	17389-1.06-LTD-GaP		>56 @ 1064 Linear Parallel	0.15	4 @ .040	62 @ 1064	47KW/50MW	GaP
								Compressional

Custom and OEM AO Devices and Drivers are available and Gooch & Housego will work with you to meet your needs.

Use the "Request Information Form" on the pull down menu on the main web page to submit your requirements for AO Devices and Drivers.



光技術をサポートする

株式会社オプトサイエンス

<http://www.optoscience.com>

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