

AOM & Shutter

AOM (Acousto-optic Modulator) and Shutter AOM (Acousto-optic Modulator) It belongs to the high-speed acousto-optic pulse modulator which realizes the intensity modulation over the laser according to the inputted pulse signal and gets corresponding digitally coded optical signal by inputting the digital signal of different codes and frequencies (TTL/ Analog) into the driving power supply of modulator. It is mainly used in such fields as laser text-image processing and laser digital communication . This product has such characteristics as quick modulation rate,

Wavelength	450-700nm
Optical power	Typical <1W (@1.0mm)
Transmission	93%
Center frequency	100MHz
Diffraction efficiency	80%
Active aperture	1.0mm
Extinction ratio	Ø 1000:1
Pulse repetition frequency	4MHz
RF power	1.2W
Input impedance	50 Ø
Controller drive voltage	24VDC
External modulation	TTL/Analog
Aperture Diameter	4.0mm
Typical Beam Diameter	2.0mm
Operating Frequency Range	0-10Hz
Maximum Laser Power	<3W
Rise Time	~8ms
Fall Time	~8ms
Delay d	~18ms
Operating Temperature	15-40Ø
External Modulation	TTL
Drive Voltage	5VDC/ 12VDC