

Optical Fiber Coupled Acousto-Optic Modulator (FAOM)

◆ Product introduction

Optical fiber coupled acousto-optic modulator mainly includes acousto-optic crystal and optical fiber collimator, etc. The modulation signal acts on the piezoelectric converter in the form of electrical signal, and the frequency and amplitude of the input modulation signal are changed to realize the frequency modulation and amplitude modulation of the laser. The fiber-coupled acousto-optic modulator of CSRayzer has the characteristics of low insertion loss, high on-off extinction ratio, fast rising edge, high polarization extinction ratio and high withstand power. The optical fiber AOM with wavelength of 400-1550nm can be customized according to the needs of users.



◆ Parameter index

Model	Wavelength (nm)	Frequency (Mhz)	Insertion Loss (dB)	Polarization Extinction Ratio (dB)	Extinction Ratio (dB)	Rising/Falling Edge (ns)
FAOM-420-200-PM	420	200	≤3	≥18	≥55	≤10
FAOM-532-200-PM	532	200	≤3	≥18	≥55	≤10
FAOM-632-80-PM	632	80	≤3	≥20	≥50	≤60
FAOM-632-100-PM	632	100	≤3	≥20	≥50	≤60
FAOM-632-200-PM	632	200	≤3	≥20	≥55	≤10
FAOM-780-80-PM	780	80	≤3	≥25	≥50	≤50
FAOM-780-100-PM	780	100	≤3	≥25	≥50	≤45
FAOM-780-100-PM	780	110	≤3	≥25	≥50	≤45
FAOM-780-180-PM	780	180	≤3	≥25	≥55	≤20
FAOM-780-200-PM	780	200	≤3	≥25	≥55	≤10
FAOM-852-80-PM	852	80	≤3	≥25	≥50	≤50
FAOM-852-200-PM	852	200	≤3	≥25	≥55	≤10
FAOM-1064-200-PM	1064	200	≤2.5	≥22	≥55	≤10
FAOM-1550-200-PM	1550	200	≤4	≥22	≥55	≤10