

Free-space Acousto-Optic Modulator (AOM)

◆ Product introduction

The free-space acousto-optic modulator of CSRayzer adopts high-performance acousto-optic crystal, which can dynamically realize the deflection of the propagation direction of light beam and the regulation of the frequency of light field by using Bragg diffraction of acousto-optic effect. Especially in quantum optics and quantum precision measurement, the acousto-optic modulator is widely used, including quantum storage probe light detection, single photon beat frequency detection, Doppler frequency shift, cold atom and other optical systems. The AOM of CSRayzer has high diffraction efficiency, covering the wavelength of 350-2000nm, and can be customized according to the needs of users with various wavelengths and different sizes.



◆ Parameter index

Model	Wavelength (nm)	Frequency (Mhz)	Optical Aperture (mm)	Diffraction Efficiency (%)	Driving Power (w)
Z-400-100-L-D2-T-A-K	400	100	2	85	0.3
Z-400-150-L-D2-T-A-K	400	150	2	85	0.5
Z-400-200-L-D0.5-T-A-K	400	200	0.5	75	0.5
Z-400-200-L-D1-T-A-K	400	200	1	80	2.5
Z-400-300-L-D1-T-A-K	400	300	1	80	2
Z-532-80-L-D1-T-A-K	532	80	1	85	0.3
Z-532-80-L-D2-T-A-K	532	80	2	85	0.8
Z-532-100-L-D1-T-A-K	532	100	1	85	0.4
Z-532-100-L-D2-T-A-K	532	100	2	85	0.8
Z-532-150-L-D1-T-A-K	532	150	1	85	0.6
Z-532-200-L-D0.3-T-A-K	532	200	0.3	80	0.4
Z-532-200-L-D1-T-A-K	532	200	1	80	1
Z-532-350-L-D0.2-T-A-K	532	350	0.2	70	1.5
Z-632-80-L-D1-T-A-K	632	80	1	85	0.8
Z-632-80-L-D2-T-A-K	632	80	2	85	1.2
Z-632-100-L-D1-T-A-K	632	100	1	85	0.8

Z-632-100-L-D2-T-A-K	632	100	2	85	1.2
Z-632-200-L-D0.3-T-A-K	632	200	0.3	85	1
Z-632-200-L-D1-T-A-K	632	200	1	85	1.5
Z-632-350-L-D0.3-T-A-K	632	350	0.3	75	2.5
Z-780-80-L-D1-T-A-K	780	80	1	85	1
Z-780-80-L-D2-T-A-K	780	80	2	85	2
Z-780-100-L-D1-T-A-K	780	100	1	85	1
Z-780-100-L-D2-T-A-K	780	100	2	85	2
Z-780-110-L-D1-T-A-K	780	110	1	85	1
Z-780-110-L-D2-T-A-K	780	110	2	85	2
Z-780-150-L-D1-T-A-K	780	150	1	75	2
Z-780-150-L-D2-T-A-K	780	150	2	75	2.5
Z-780-200-L-D0.3-T-A-K	780	200	0.3	80	2.5
Z-780-200-L-D1-T-A-K	780	200	1	70	2
Z-780-250-L-D0.3-T-A-K	780	250	0.3	80	2.5
Z-780-300-L-D0.3-T-A-K	780	300	0.3	80	2.5
Z-780-350-L-D0.3-T-A-K	780	350	0.3	75	2.5
Z-850-80-L-D1-T-A-K	850	80	1	85	1
Z-850-110-L-D1-T-A-K	850	110	1	85	1
Z-850-110-L-D2-T-A-K	850	110	2	85	2
Z-850-200-L-D0.3-T-A-K	850	200	0.3	80	2.5
Z-1064-100-L-D0.7-T-A-K	1064	100	0.7	85	1.8
Z-1064-150-L-D0.5-T-A-K	1064	150	0.5	85	2.5
Z-1064-200-L-D0.3-T-A-K	1064	200	0.3	70	2.5
Z-1550-80-L-D0.5-T-A-K	1550	80	0.5	80	2.5