

632nm Full Bandwidth Free-Space Acousto-Optic Modulator 100MHz



● Product Description

The Idealphotonics' acousto-optic modulator allows users to adjust the output light's amplitude, duration, and frequency/period. The insertion loss can be as low as 2 dB, the extinction ratio can be as high as 50 dB, the rise time can be as fast as 5 nanoseconds, and the frequency can reach up to several hundred MHz. Applications include switching, pulse picking, fast attenuation, and more. The wavelength range extends from near ultraviolet to near infrared.

● Part Number

A-632-100-L-T-D1-T-A-K

● Product features

0th-order and 1st-order optical fiber output 、 High extinction ratio 、 Customizable devices according to the customer's wavelength and frequency requirements

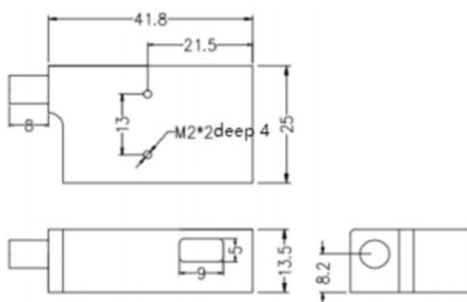
- Application area

BODTR、 DVS、 Optical Switch

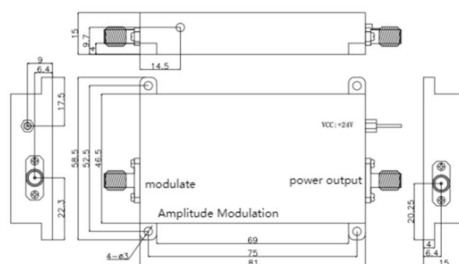
Parameters

Dimensional Drawing

AOM Modulator



RF Driver



Main Parameters

PN#	Wavelength (nm)	Frequency (Mhz)	Aperture (mm)	Diffraction Efficiency (%)	Optical Power Density (W/mm ²)	Drive Power (W)	Input Impedance (Ω)	Voltage Standing Wave Ratio (VSWR)
A-532-80-L-T-D1-T-A-K	532	80	1	85	250	0.8	50	<1.3:1
A-532-80-L-T-D2-T-A-K	532	80	2	85	250	1.5	50	<1.3:1
A-532-100-L-T-D1-T-A-K	532	100	1	85	250	0.8	50	<1.3:1
A-532-200-L-T-D0.3-T-A-K	532	200	0.3	70	250	2	50	<1.5: 1
A-532-200-L-T-D4-T-A-K	532	200	4	80	250	4	50	<1.5: 1
A-632-80-L-T-D1-T-A-K	632	80	1	85	250	0.8	50	<1.3:1

A-632-100-L-T-D1-T-A-K	632	100	1	85	250	0.8	50	<1.3:1
A-632-200-L-T-D0.3-T-A-K	632	200	0.3	70	250	2.5	50	<1.5: 1
A-632-200-L-T-D1-T-A-K	632	200	1	85	250	1.5	50	<1.5: 1
A-780-110-L-T-D1-T-A-K	780	110	1	85	250	1.3	50	<1.3:1
A-780-150-L-T-D1-T-A-K	780	150	1	75	250	2	50	<1.3:1
A-780-150-L-T-D2-T-A-K	780	150	2	75	250	2.5	50	<1.5: 1
A-780-200-L-T-D0.3-T-A-K	780	200	0.3	70	250	3	50	<1.5: 1
A-780-200-L-T-D2-T-A-K	780	200	2	70	250	3.5	50	<1.5: 1
A-850-110-L-T-D0.7-T-A-K	850	110	0.7	80	250	1	50	1.2: 1
A-850-200-L-T-D0.3-T-A-K	850	200	0.3	80	250	3	50	<1.5: 1
A-1064-100-L-T-D0.7-T-A-K	1064	100	0.7	85	250	1.8	50	1.2: 1
A-1064-120-L-T-D0.7-T-A-K	1064	120	0.7	85	250	1.8	50	<1.3:1
A-1064-150-L-T-D0.5-T-A-K	1064	150	0.5	85	250	2.5	50	<1.3:1
A-1064-200-L-T-D0.3-T-A-K	1064	200	0.3	70	250	2.5	50	<1.3:1
A-1550-40-L-T-D0.7-T-A-K	1550	40	0.7	80	250	2.5	50	<1.3:1
A-1550-60-L-T-D0.5-T-A-K	1550	60	0.5	80	250	2.5	50	<1.3:1
A-1550-80-L-T-D0.7-T-A-K	1550	80	0.7	80	250	2.5	50	<1.3:1
A-1550-150-L-T-D0.5-T-A-K	1550	150	0.5	65	250	2.5	50	<1.5: 1
A-1550-200-L-T-D0.3-T-A-K	1550	200	0.3	55	250	3	50	<1.5: 1

We can offer customized services to customers: Wavelength range from 500-2000nm with any band selectable. Frequency range from 40-300MHz with any frequency selectable, and frequency accuracy can be customized. Aperture size from 0.1-4mm can be customized. The enclosure size can be tailored to fit the customer's system requirements, including the material of the enclosure. We can optimize the device according to the customer's specific performance requirements