

780nm Full Band Free Space Acousto-Optic Modulator 150MHz



● 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-780-150-L-T-D1-T-A-K

● Product features

t0-level and 1-level optical fiber output、 High extinction ratio、 Different devices can be made according to different wavelengths and frequencies of customers

● Application area

BODTR、 DVS、 Optical switch

● Main Parameters:

Part Number	Wavelength (nm)	Frequency (Mhz)	Clear Aperture (mm)	Diffraction Efficiency (%)	Optical Power Density (W/m ²)	Drive Power (W)	Input Resistance (Ω)	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

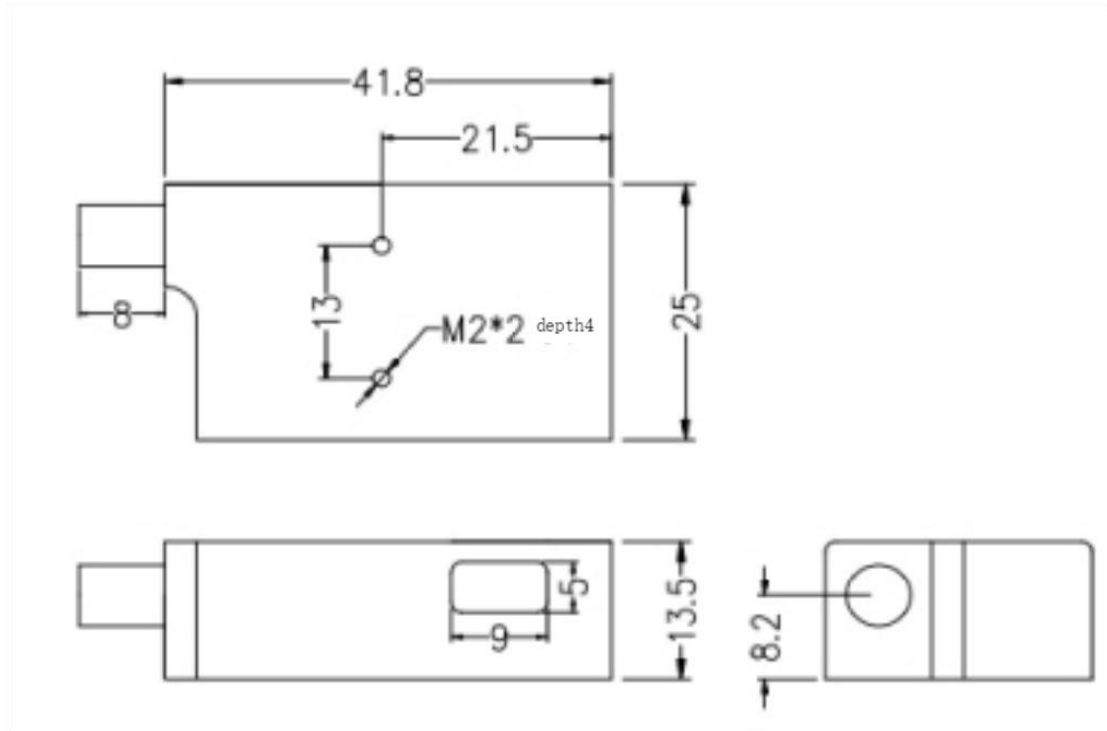
A-632-200-L-T-D0.3-T -A-K	632	200	0.3	70	250	2.5	50	<1.5: : 1
A-632-200-L-T-D1-T- A-K	632	200	1	85	250	1.5	50	<1.5: : 1
A-780-110-L-T-D1-T- A-K	780	110	1	85	250	1.3	50	<1.3: 1
A-780-150-L-T-D1-T- A-K	780	150	1	75	250	2	50	<1.3: 1
A-780-150-L-T-D2-T- A-K	780	150	2	75	250	2.5	50	<1.5: : 1
A-780-200-L-T-D0.3-T -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 provide customized services to customers: wavelength 500-2000nm can be selected in any band. Frequency 40-300MhA can be selected in any frequency, and frequency accuracy can be customized. The aperture 0.1-4mm can be customized, and the shell size can be customized according to the customer's system requirements. The appropriate shell size including shell material can be customized. We can meet the customer's requirements for a certain indicator to optimize the device.

● Dimensions

AOM Modulator



RF Driver

