

1550nm Full Band Free Space Acousto-Optic Modulator 40MHz



● Product Description

Idealphotonics AOM allows users to change the output light amplitude, duration and period/frequency. Insertion loss can be as low as 2 dB, extinction ratio can be as high as 50 dB, rise time can be as low as 5 nanoseconds, and periodicity can be as high as hundreds of MHA. Applications include switches, pulse picking, fast attenuators, etc. The wavelength range is from near ultraviolet to near infrared.

● Part Number

A-1550-40-L-T-D0.7-T-A-K

● Product features

0-level and 1-level 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:

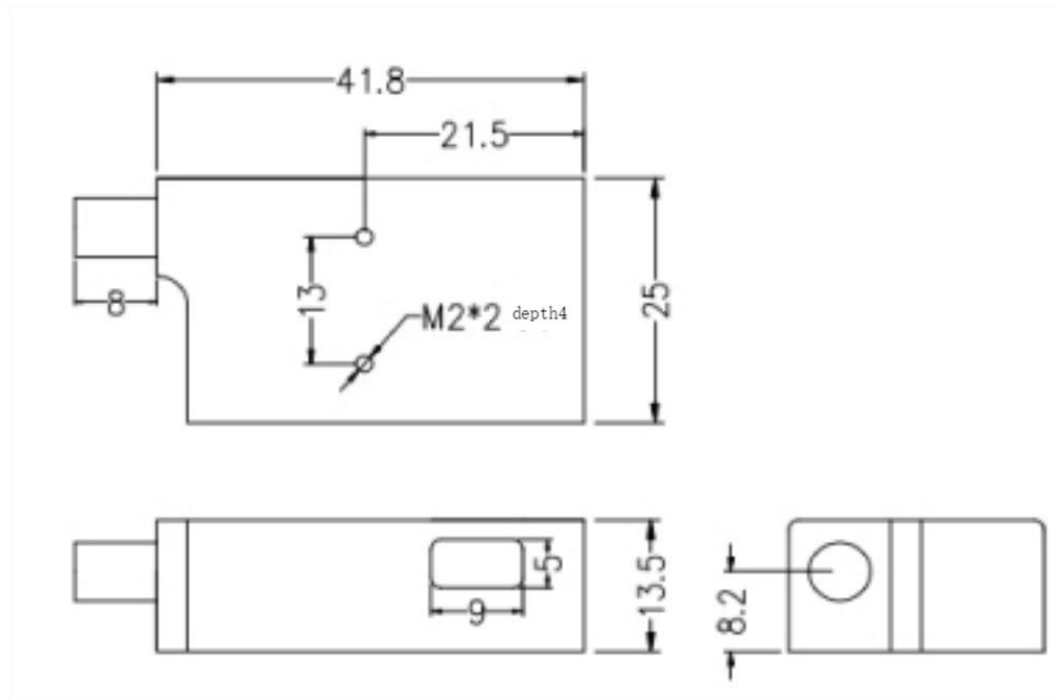
Part Number	Wavele ngth (nm)	Freque ncy (Mhz)	Clear Apert ure (mm)	Diffraction Ef ficiency (%)	Optical Power Density (W/mm ²)	Drive P ower (W)	Input Resista nce(Ω)	VSW R
A-532-80-L-T-D1- T-A-K	532	80	1	85	250	0.8	50	<1.3: 1
A-532-80-L-T-D2- T-A-K	532	80	2	85	250	1.5	50	<1.3: 1
A-532-100-L-T-D1 -T-A-K	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-D 0.7-T-A-K	1064	100	0.7	85	250	1.8	50	1.2: 1
A-1064-120-L-T-D 0.7-T-A-K	1064	120	0.7	85	250	1.8	50	<1.3: 1
A-1064-150-L-T-D 0.5-T-A-K	1064	150	0.5	85	250	2.5	50	<1.3: 1
A-1064-200-L-T-D 0.3-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-D 0.5-T-A-K	1550	150	0.5	65	250	2.5	50	<1.5 : 1
A-1550-200-L-T-D 0.3-T-A-K	1550	200	0.3	55	250	3	50	<1.5 : 1

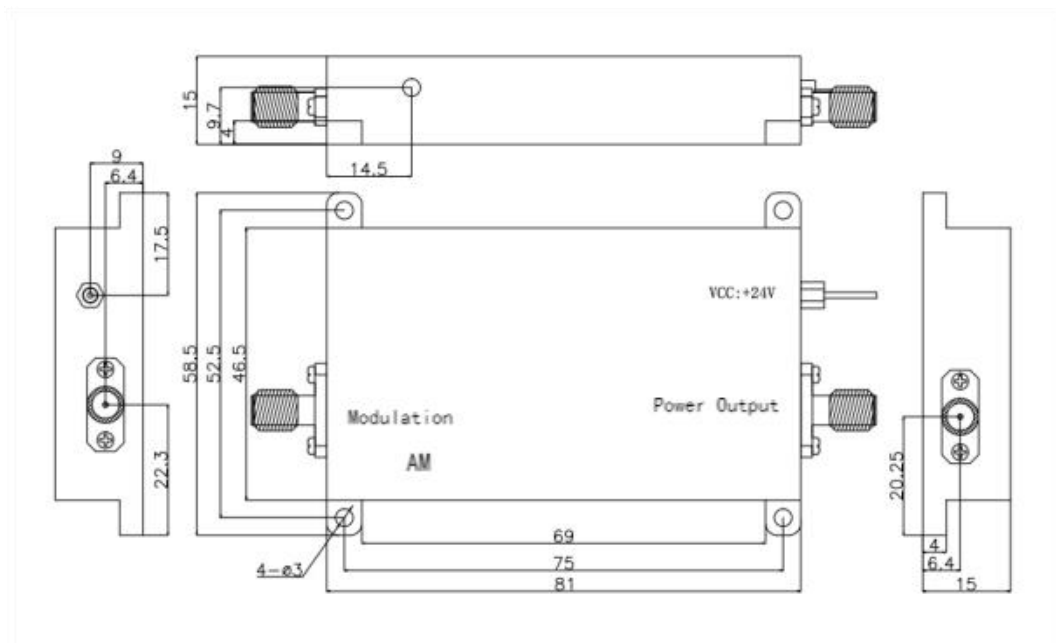
We can provide customized services to customers: wavelength 500-2000nm can be selected in any band. Frequency 40-300MhA can be selected in any frequency, and frequency accuracy can be customized. The aperture 0.1-4mm can be customized, and the shell size can be customized according to the customer's 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



Ordering Information (Refer to table for model numbers)