

1550nm Full Band Free Space Acousto-Optic Modulator40MHz



● 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.



- **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

- **Part Number**

MP-AOM-1550-40M-0.7mm

- **Application area**

BODTR、 DVS、 Optical switch

- **Core parameters**

Wavelength	Frequency	Clear Aperture
1550nm	40MHz	0.7mm

- **General Parameters**

Main Parameters

Part Number	Wave length (nm)	Freq uency (Mh)	Cle ar Ape rtur	Diffractio n Efficien cy (%)	Optica l Powe r Densit	Drive Powe r (W)	Input Res istance(Ω)	VS W R



)	z)	e (m m)		y (W/m m ²)			
MP-AOM-532 -80M-1mm	532	80	1	85	250	0.8	50	<1 .3: 1
MP-AOM-532 -80M-2mm	532	80	2	85	250	1.5	50	<1 .3: 1
MP-AOM-532 -100M-1mm	532	100	1	85	250	0.8	50	<1 .3: 1
MP-AOM-532 -200M-0.3m m	532	200	0.3	70	250	2	50	<1 .5: 1
MP-AOM-532 -200M-4mm	532	200	4	80	250	4	50	<1 .5: 1
MP-AOM-632 -80M-1mm	632	80	1	85	250	0.8	50	<1 .3: 1
MP-AOM-632	632	100	1	85	250	0.8	50	<1



-100M-1mm								.3: 1
MP-AOM-632								<1
-200M-0.3m m	632	200	0.3	70	250	2.5	50	.5: 1
MP-AOM-632								<1
-200M-1mm	632	200	1	85	250	1.5	50	.5: 1
MP-AOM-780								<1
-110M-1mm	780	110	1	85	250	1.3	50	.3: 1
MP-AOM-780								<1
-150M-1mm	780	150	1	75	250	2	50	.3: 1
MP-AOM-780								<1
-150M-2mm	780	150	2	75	250	2.5	50	.5: 1
MP-AOM-780								<1
-200M-0.3m m	780	200	0.3	70	250	3	50	.5: 1
MP-AOM-780								<1
-200M-2mm	780	200	2	70	250	3.5	50	.5: 1



								1
MP-AOM-850								1.
-110M-0.7m	850	110	0.7	80	250	1	50	2:
m								1
MP-AOM-850								<1
-200M-0.3m	850	200	0.3	80	250	3	50	.5:
m								1
MP-AOM-106								1.
4-100M-0.7m	1064	100	0.7	85	250	1.8	50	2:
m								1
MP-AOM-106								<1
4-120M-0.7m	1064	120	0.7	85	250	1.8	50	.3:
m								1
MP-AOM-106								<1
4-150M-0.5m	1064	150	0.5	85	250	2.5	50	.3:
m								1
MP-AOM-106								<1
4-200M-0.3m	1064	200	0.3	70	250	2.5	50	.3:
m								1
MP-AOM-155								<1
0-40M-0.7m	1550	40	0.7	80	250	2.5	50	.3:
m								1

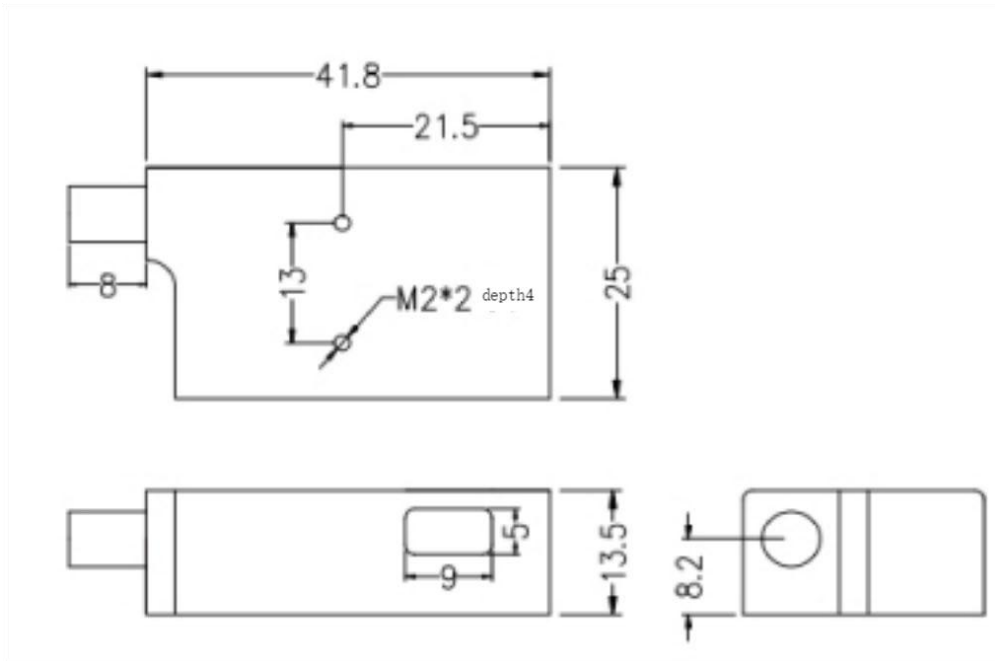


MP-AOM-155								<1
0-60M-0.5m	1550	60	0.5	80	250	2.5	50	.3:
m								1
MP-AOM-155								<1
0-80M-0.7m	1550	80	0.7	80	250	2.5	50	.3:
m								1
MP-AOM-155								<1
0-150M-0.5m	1550	150	0.5	65	250	2.5	50	.5:
m								1
MP-AOM-155								<1
0-200M-0.3m	1550	200	0.3	55	250	3	50	.5:
m								1

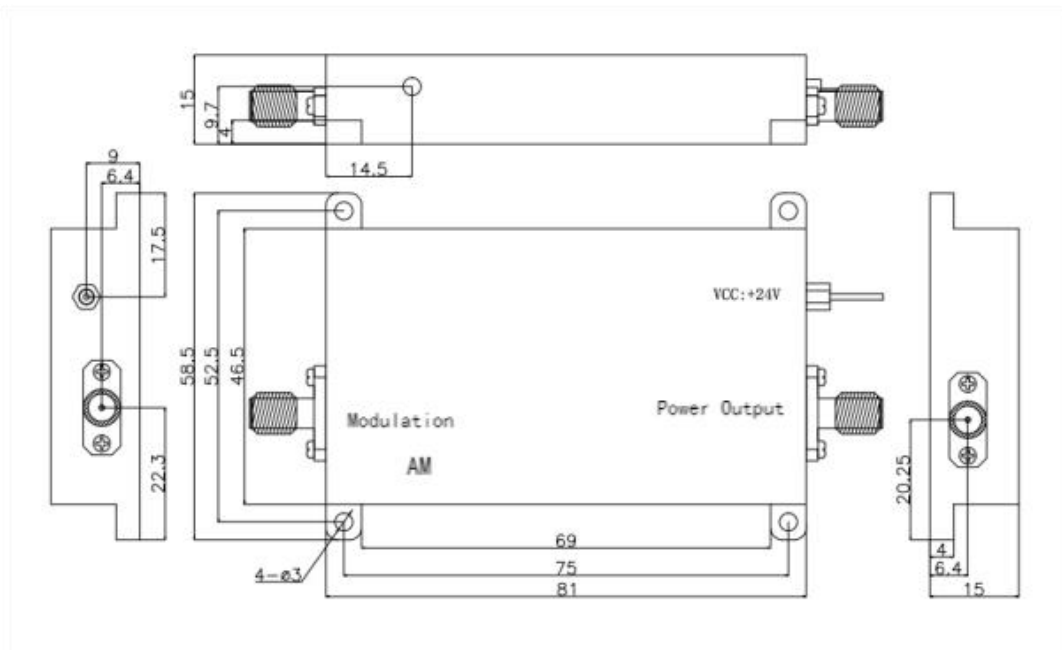
We can offer customized services to customers: Wavelength range from 500-2000nm with any band selectable. Frequency range from 40-300MHz with any frequency selectable, and frequency accuracy can be customized. Aperture size from 0.1-4mm can be customized. The enclosure size can be tailored to fit the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

● Dimensions

AOM Modulator



RF Driver



Ordering Information (Refer to table for model numbers)