

Fiber Coupled Acousto-Optic Modulator

Description

Fiber Coupled AOM is designed for pulsed fiber laser/amplifier system applications. The AOM is installed in fiber laser cavity, laser pulses can be obtained by modulating the AOM with TTL signal.

Key Features

- Low insertion loss
- Compact package
- Stable and reliable performance
- Customized configurations available

Applications

- Fiber amplifier
- Fiber laser



Specifications

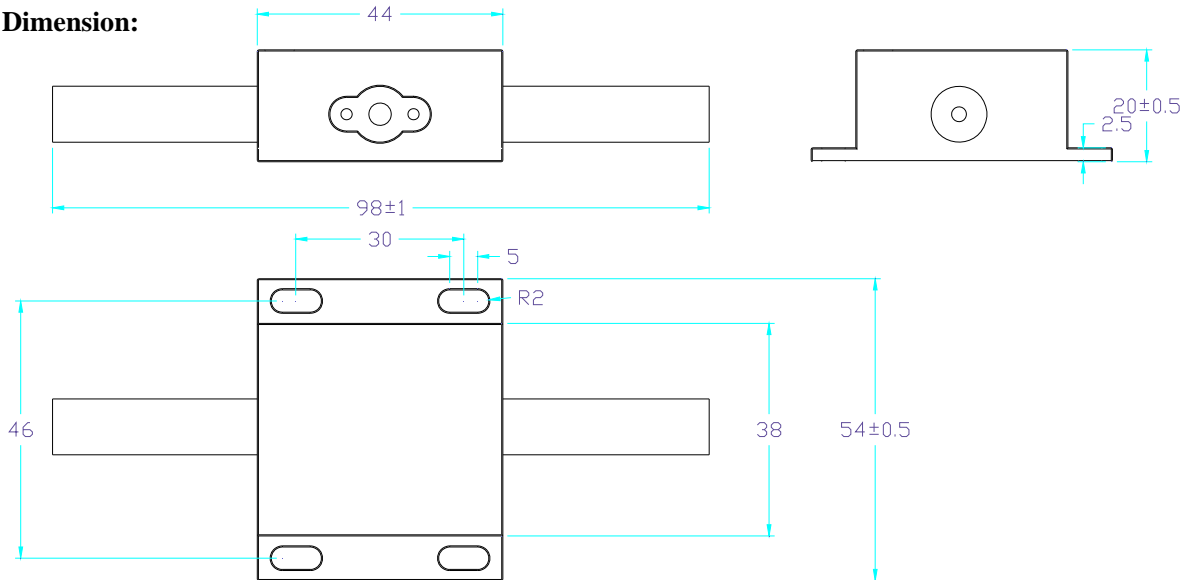
Parameter	Type	Unit	NON-PM fiber AOM		PM fiber AOM	
			1030~1064	1260~1550	1030~1064	1260~1550
Center wavelength, λ_c		nm	1030~1064	1260~1550	1030~1064	1260~1550
Bandwidth, BW		nm	± 10			
Typical insertion loss@23°C, λ_c		dB	1.8	2.5	1.8	2.5
Max. insertion loss		dB	2.5	3.0	2.5	3.0
ON/OFF extinction ratio		dB	≥ 45			
Return loss		dB	≥ 45			
Polarization extinction ratio		dB	-		≥ 20	
Typical fiber type		-	HI1060	SMF-28E	PM980	PM1310 OR PM1550
Input power handling		W	3 or 0.3			
Supersonic wave frequency		MHz	80 OR 100			
Input impedance		Ω	50			
Driver voltage		V	24			
Dimensions (L*W*H)		mm	AOM:98*54*20;Driver:84*55*20			
Operating temperature		°C	0 ~ +50			
Storage temperature		°C	-20 ~ +70			

**Other specification can be made on customer request

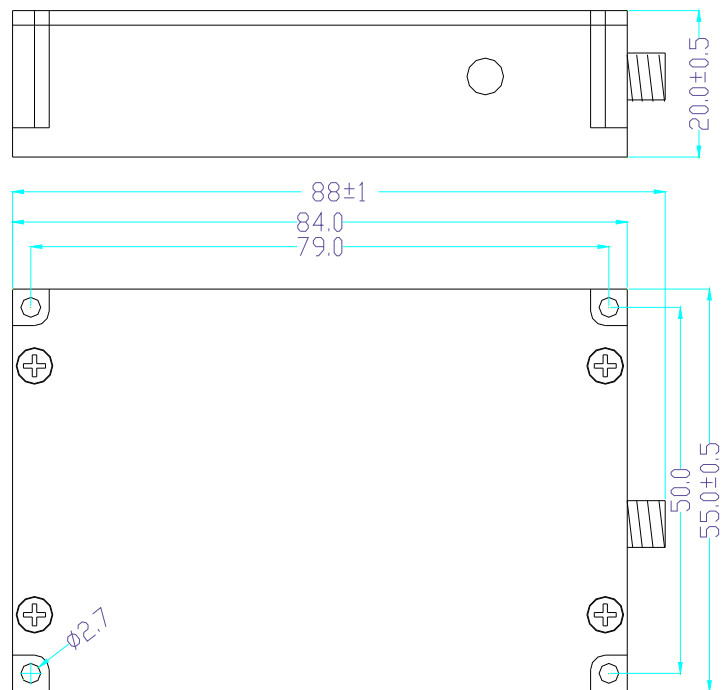
**IL is 0.5dB higher; RL is 5dB lower and PER is 2dB lower for each connector added. The default connector key is aligned to slow axis.
the connector handle power $\leq 0.3W$

Mechanical Dimension

AOM Dimension:



Driver Dimension:



Ordering Information

(PM)AOM- XXXX-X-X-XX-XX*XX*XX

