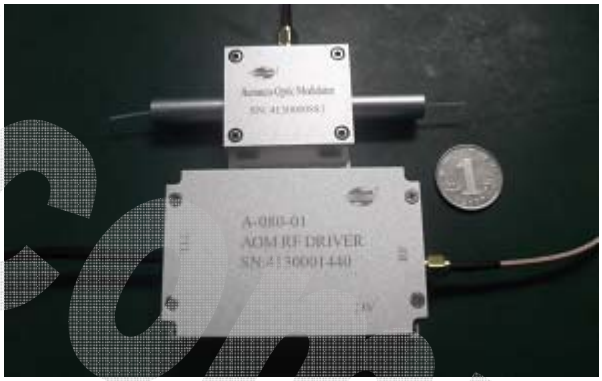
Fiber Coupled Acousto-Optic Modulator

1. 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.

2. Features:

Low insertion loss
Compact package
Stable and reliable performance
Customized configurations available
High power handling



3. Applications:

Fiber laser
Fiber amplifier

4. Specifications:

Parameters \ Type	Single mode fiber AOM	PM fiber AOM
Center Wavelength, λc	1064	
Bandwidth (nm), BW	±20	
Typical Insertion Loss(dB)@23℃, λc	1.8	
Max. Insertion Loss(dB)@23℃, BW	2.5	
ON/OFF Extinction Ratio (dB)	⩾ 45	
Polarization Extinction Ratio (dB)	-	⩾22
Return Loss (dB)	⩾45	
Fiber Type	HI1060	SM98-PS-U25A
Power handling(W)	3	
Supersonic wave Frequency (MHz)	80	
RF power (W)	⩽2.5	
Input impedance(Ω)	50	
TTL signal	0/5V(bias:2.5V), 10KHz~100KHz,1us~5 us	
Rise-time/Fall-time (ns)	⩽50	
Dimension（L*W*H） (mm)	AOM:98*54*20;Driver:84*55*20	
Operating temperature (°C)	0 ~ +70	
Storage temperature (°C)	-20 ~ +70	

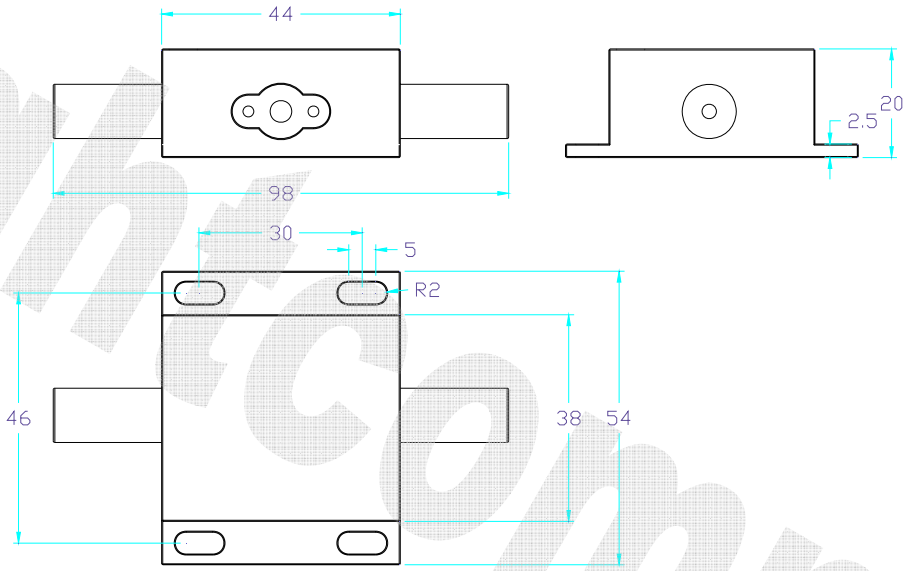
5. Product Ordering Information:

(PM)AOM- XXX-X-X-XX/XXX- XX -XX*XX

- XX*XX → Package: 98*54*20 etc.
- XX → Frequence: 80
- XXX → Connector: none
- X → Fiber Type: 1=HI1060, 4=others（fiber model number）
- X → Pigtail Type: 0=250μm, 1=900μm, 4=others
- XXX → Operating Wavelength: 1064nm
- (PM)AOM → PMAOM: PM fiber pigtail; AOM: SM fiber pigtail

6. Dimension

AOM Dimension:



Driver Dimension: