

Fiber Coupled Acousto-Optic Modulator (AOM)

Features:

Exist +1st or -1 st order diffracted light under the interaction of Bragg diffraction
 Customized difference Frequency
 High Stability and Reliability

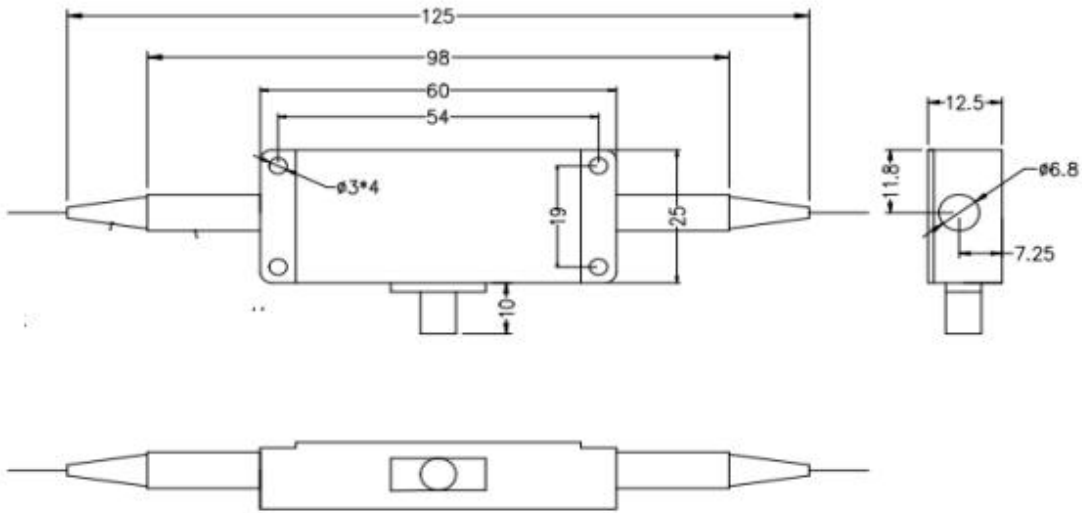
Application:

Fiber Amplifier
 Sensing

Specifications:

Item	Value	
Interaction material	TeO2	
Tested Wavelength (nm)	1550	1064
Operating Wavelength (nm)	1530-1580	1030-1090
Average power (CW,W)	0.5	2
Insertion Loss(dB)	2.5	3
Polarization Extinction Ratio(dB)	>18	>18
Extinction Ratio (dB)	>45	>45
Return Loss (dB)	>40	>40
Rise-Time(ns)	<45	<45
Frequency(Mhz)	40,80	80,100,200
Max. RF Power (W)	2.5	2.5
VSWR	<1.2:1	< 1.2:1
Input Impedance(Ω)	50	50
Device Connector	SMA-F	SMA-F
Fiber Type	PM1550 or SMF-28e	PM980 or PM1060L(10/125um) HI1060 or 10/125 SCF
Fiber Length	1m	
Fiber Connector	No connector/ FC/APC	
Cooling	Conduction-cooled	
Working temperature $^{\circ}\text{C}$	-20~ +60	
Storage Temperature $^{\circ}\text{C}$	-30~ +70	

Package Dimensions:



Ordering Information:

AO M	Wavelength	Frequency	0	Pigtail Type	Fiber Type	Length	Connector
	1550=1550nm 1064=1064nm	040=40Mhz 080=80Mhz 100=100Mhz 200=200Mhz		1=900um loose tube	1=SM fiber 5=PMFiber`	8= 0.75m	0=None 1=FC/UPC 2=FC/APC S=Specify