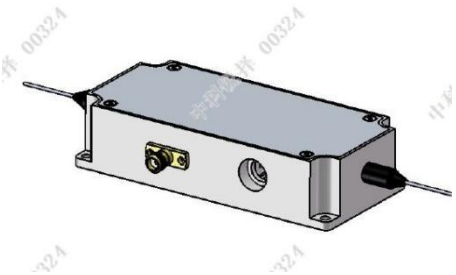
AOM Power Stabilization Module

◆ Product introduction

The AOM power stabilization module developed by CSRayzer is based on the basic principle of AOM, that is, under the condition of satisfying Bragg diffraction, the power of ultrasonic wave is directly proportional to the power of the first-order diffracted light. By changing the power of ultrasonic wave, the intensity of the first-order diffracted light can be controlled to achieve the purpose of power stabilization. When the laser passes through the module, the power stability is of the order of 1E-3.



◆ Parameter index

Parameter	unit	Value
Central Wavelength	nm	420/461/509/780/852/ Customization
Power Stability @24h	%	≤0.1%
Insertion Loss	dB	
Polarization Extinction Ratio	dB	≥23
Rreturn Loss	dB	≥45
PD Current Output		
Peak Power	W	2
Fiber type		SM PM
Connector		FC/APC or FC/PC
Working Temperature	℃	0 to 50
Storage Temperature	℃	-40 to 85