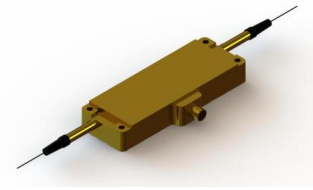


Introduction

CSRAYER'S Fiber Coupled Acousto-Optic Modulator AOM Series Product, is an acousto-optic device which controls the intensity of laser beam, with high extinction ratio, low insertion loss.



Specification

Parameter	Unit	Min	Max	Typical	Comments	
Material				TeO2	Customizable	
Wavelength	nm	1030	1090	1060	Customizable	
Average optical power handling	W	0.5	5			
Peak (pulse) optical power handling	kW	1	5			
Ultrasonic Velocity	m/s			4200		
Frequency	MHz	40、80、100、120、150、200MHz			Customizable	
Frequency Shift	MHz	-/+40	-/+200		Customizable	
Extinction Ratio (1st order on / off)	dB	45	55	50		
Extinction Ratio	dB	20			Fiber Type: PM Fiber	
Return Loss (RF ON)	dB	40				
Insertion Loss	40/80/100/120MHz	dB	1.2	2.5	1.5	Min2/Max3/Typ2.5 @40M
	150/200MHz	dB	2.5	3.0	2.7	Min3/Max4/Typ3.0 @150M
Rise -time / Fall-time: (10% - 90%)	40/80/100/120MHz	ns	20	45	25	Customizable
	150/200MHz	ns	8	10	10	Customizable
Radio Frequency Power	40/80/100/120MHz	W	1.5	3	2.5	
	150/200MHz	W			2.5	
VSWR	40/80/100/120MHz				1.2:1	
	150/200MHz				1.5:1	
Input Impedance	Ω			50		
Working Temperature	℃	-5 to +65℃				
Storage Temperature	℃	-20 to +75℃				

Customization is Available!

*IL is 0.3 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

*Above specifications are for device without connector and may change without notice.

Ordering Information

AOM-①-②-③-④-⑤-⑥-⑦-⑧

①Center	②Frequency	③Handling Average	④Package	⑤Fiber Type	⑥Fiber Length	⑦Fiber Jacket	⑧Jacket Length	⑨Connector
Wavelength		Optical Power	Dimension					
1064-1064nm	80-80M	05-500mw	C1-67*23*15mm	PM980-PM980	1-1M	0-Bare Fiber	1-1M	FU-FC/PC
1550-1550nm	120-120M	10-1w	S-Specify	PM1550-PM1550	S-Specify	1-900μm Loose Tube	S-Specify	FA-FC/APC
S-Specify	200-200M	20-2w		S-Specify		2-2mm Cable		S-specify
	S-Specify	S-Specify				3-3mm Cable		