

# 1030 nm - 1064 nm 100 MHz Acousto-Optic Modulator

AOM-1064-100MHz



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## Fiber-coupled AOM (Acousto-Optic Modulator)

Standard version – 1030/1064 nm

Reference: 1064AOM-1

Technology/Crystal : TeO<sub>2</sub>\*

SPECIFICATIONS	Unit	Min	Typ.	Maximum	Comments
Material			TeO <sub>2</sub>		
Wavelength	nm	1000	1064	1090	Customizable
Max Average optical power	W			5	
Insertion loss	dB	1	1.5	2.0	
Extinction ration (1 <sup>st</sup> order on/off)	dB	50			
Return loss (RF ON)	dB	40			
Rising time	ns		45	50	
Frequency	MHz		100		
Frequency shift	MHz		+/- 100		
RF Power	W		1.5	1.8	
Input Impedance	Ω		50		
Electrical input interface			SMA		
Fiber type		PM980			Customizable
Fiber length	m		1		Customizable
Pigtail termination		FC/APC			Customizable
Working temperature	°C	-20		60	
Storage temperature	°C	-30		70	
Dimensions (without fiber boots)	mm	60*25*12.5			
Mounting holes diameter	mm		3		

\*: See our tutorial : [fiber modulator](#)

