



# 1650nm, 80 MHz Fiber-Coupled Acousto-Optic Modulator

1650AOM-1 / FIBER-OPTIC-AOM

*This product is sold  
and supported  
in the USA by*



**LASER LAB SOURCE**  
marketplace for **Scientists & Engineers**

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**800.877.5065**

## Fiber coupled AOM

Standard version – 1650 nm

Reference: 1650AOM-1

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

SPECIFICATIONS	Unit	Min	Typ.	Maximum	Comments
Material			TeO <sub>2</sub>		
Wavelength	nm	1580	1650	1720	Customizable
Average optical power handling	W			0.5	
Peak optical power handling	KW			0.5	
Insertion loss**	dB	2.0	2.5	3.0	
Extinction ratio (1 <sup>st</sup> order on/off)	dB	50	55		
Rising time	ns			50	
Frequency	MHz		80		
Frequency shift	MHz		+/- 80		
RF Power	W		2.5		
Input Impedance	Ω		50		
Electrical input interface			SMA		
Fiber type		PM1550			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](#)

\*\* : Insertion loss over the nominal wavelength ±50 nm. Add 0.5 dB to cover the full wavelength range

