

## Acoustic Optical Modulator(AOM)

### ☆Description

XHP acoustic optical modulator(AOM) features low insert loss, compact size, stable and reliable. It can be integrated into fiber amplifier, fiber laser and laser processing equipment etc.



### ☆Specifications

Parameters	Units	Value	
Operating wavelength	nm	1030~1064	1260~1550
Operating bandwidth	dB	±10	
Insert loss	dB	≤2.5	≤3.0
Extinction ratio	dB	≥20	
ON/OFF ER	dB	≥45	
Return loss	dB	≥45	
Fiber type	-	PM980	PM1310 PM1550
Max. power	W	3	
Ultra-sonic frequency	MHz	80~100	
Input impedance	Ω	50	
Driving voltage	V	24	
Package size	mm	98×54×20	
Operating temperature	℃	0~+50	
Storage temperature	℃	-20~+70	

### ☆Ordering Information

Part Number	Note	Options
XXX-XXX	Part type	XHP-AOM
XX	Operating wavelength	<b>W1</b> = 980nm, <b>W2</b> = 1310nm, <b>W3</b> = 1550nm
XX	Fiber type	<b>F1</b> = PM panda fiber
XXXX	Ultra-sonic frequency	<b>F100</b> = 100MHz, <b>F80</b> = 80MHz
XXX	Fiber length	<b>L08</b> = 0.8m, <b>L10</b> = 1.0m
XX	Pigtail type	<b>P1</b> = 250um bare fiber , <b>P2</b> = 900um loose tube
XXX	Package size	<b>PS1</b> = aluminum box 98×54×20mm, <b>PS2</b> = customized

**Example:** XHP-AOM -W1-F1-F100-L10-P1-PS1

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