

### 397nm broadband acousto-optic modulator series :

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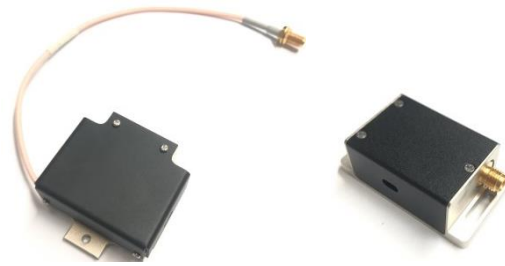
**product name:**

AOM

**product description:**

This series of acousto-optic modulators uses the principle of acousto-optic interaction

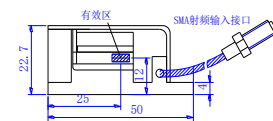
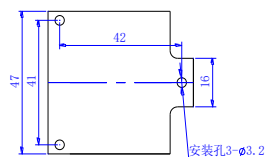
Intensity modulation and broadband frequency shifting of UV laser light.



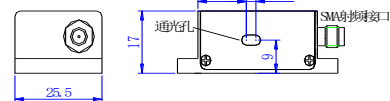
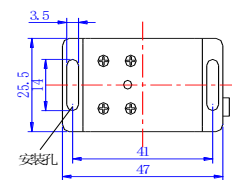
**Main Specifications:**

parameter	unit	OC	OC	OC
Working	nm	397±10		
Input light	-	Linear Polarization	arbitrarily	
Center	MHz	130	200	300
Diffraction	%	≥80	≥80	≥80
frequency shift	MHz	40	50	60
Diffraction	%	≥60	≥60	≥60
light aperture	mm	1	0.5	0.2
diffracted light	mrad	9	13.8	20.8
Driving power	W	≤5	≤1	
Light pulse rise	ns/mm	120	160	
damage	W/mm <sup>2</sup>	10	0.1	
Static	%	≥95		
Extinction Ratio	-	>1000:1		
RF connector	-	SMA female		
input resistance	Ω	50		
VSWR	-	<1.3:1		
cooling method	-	conduction cooling		
Package	-	QP1	TA	

**Package Specifications:**



QP1



TA



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**Shanghai Opticrytal Materials Co., Ltd**