

Acousto Optic Modulator AOM

Specialist in Special Optic Devices

698nm/200MHz/1mm Free-Space Acousto-Optic Modulator

Model

FAOM-698-200-1-L-T-A-K

Application

Optical Switch

Optical Wavelength Shift

General Specification

Parameter	Unit	Min	Max	Typical	Comments
Material				TeO2	
Wavelength	nm	590	730	698	
Average optical power handling	W			10	
Ultrasonic Velocity	m/s			4200	
Diffraction Efficiency	%		85	80	
Center Frequency	MHz			200	Customizable
Frequency Shift	MHz			200	
Frequency Bandwidth	MHz			± 10	
Optical Aperture (L*H)	mm			3*1	Customizable
Radio Frequency Power	W		1.5		
Rise Time	ns		160		
VSWR				1.2:1	
Input Impedance	Ω			50	
Deflection Angle	mrad			30.1	
Device Interface				SMA	
Working temperature	$^{\circ}\text{C}$			-10~60	
Storage Temperature	$^{\circ}\text{C}$			-20~70	

