

Acousto Optic Modulator AOM

Specialist in Special Optic Devices

785nm Free-Space Acousto-Optic Modulator

Model

Z-785-100-L-T-D2-T-A-K

Application

Optical Switch

Optical Wavelength Shift

General Specification

Parameter	Unit	Min	Max	Typical	Comments
Material				TeO2	
Wavelength	nm	700	820	785	
Average optical power handling	W			30	
Ultrasonic Velocity	m/s			4200	
Diffraction Efficiency	%		85	80	
Center Frequency	MHz			100	Customizable
Frequency Shift	MHz			100	
Frequency Bandwidth	MHz			± 10	
Extinction Ratio (1st order on / off)	dB	30			
Optical Aperture (L*H)	mm			3*2	Customizable
Radio Frequency Power	W			2	
Rise Time	ns		400		
VSWR				1.2:1	
Input Impedance	Ω			50	
Deflection Angle	mrad			18.69	
Device Interface				SMA	
Working temperature	$^{\circ}\text{C}$			-10~60	
Storage Temperature	$^{\circ}\text{C}$			-20~70	

