

780nm Free-Space Acousto-Optic Modulator

Model

Z-780-100-L-T-D1-T-A-K

Application

Optical Switch
Frequency Shifting

General Specification

Parameter	Unit	Min	Max	Typical	Comments
Material				TeO2	
Wavelength	nm	730	830	780	
Average Optical Power Density	W		5		
Ultrasonic Velocity	m/s			4200	
Diffraction Efficiency	%		90	85	
Center Frequency	MHz			100	
Frequency Shift	MHz			100	
3dB Bandwidth	MHz			± 10	
Clear Aperture (L*W)	mm			3*1	
RF Power	W			1.5	
Rise Time	ns		200		
VSWR				1.2:1	
Input Impedance	Ω			50	
Deflection Angle	mrad			18.5	
Device Interface				SMA	
Working temperature	°C			-20~60	
Storage Temperature	°C			-30~70	

