

1300nm Free-Space Acousto-Optic Modulator

Model

Z-1300-80-L-D1-T-A-K

Application

Optical Switch
Pulse Picker
Frequency Shifting

General Specification

Parameter	Unit	Min	Max	Typical	Comments
Material				TeO ₂	
Wavelength	nm	1270	1330	1300	
Average Optical Power	W		5		
Peak Optical Power (Pulsed)	kW		30		
Ultrasonic Velocity	m/s			4200	
Diffraction Efficiency	%		80	75	
Center Frequency	MHz			80	
Clear Aperture (L*W)	mm			2*1	
RF Power	W			3.0	
Rise Time	ns		160		
VSWR				1.2:1	
Input Impedance	Ω			50	
Deflection Angle	mrad			24.7	
Device Interface				SMA	
Working temperature	$^{\circ}\text{C}$			0~50	
Storage Temperature	$^{\circ}\text{C}$			-30~70	

