

532nm Free-Space Acousto-Optic Modulator

Model

Z-M100-L-D1000-T-C-A

General Specification

Parameter	Unit	Min	Max	Typical	Comments
Material				TeO ₂	
Wavelength	nm			532	Customizable
Average optical power handling	W		5		
Peak (pulse) optical power handling	kW		30		
Ultrasonic Velocity	m/s			4200	
Diffraction Efficiency	%		90	85	
Center Frequency	MHz			100	Customizable
Frequency Shift	MHz			100	
Frequency Bandwidth	MHz			±10	
Optical Aperture (L*H)	mm			2*1	Customizable
Radio Frequency Power	W			0.7	
Rise Time	ns		200		
VSWR				1.2:1	
Input Impedance	Ω			50	
Deflection Angle	mrad			12.7	
Device Interface					
Working temperature	°C			-20~60	
Storage Temperature	°C			-30~70	