

## Free Space Acousto-Optic Modulator 1550nm 80MHz

Mode: FAOM-1550-80-L-D0.5-T-A-K

### General Specification

Parameter	Unit	Min	Max	Typical	Comments
Material				TeO <sub>2</sub>	
Wavelength	nm	1500	1600	1550	Customizable
Average optical power handling	W		5		
Ultrasonic Velocity	m/s			4200	
Diffraction Efficiency	%		85	80	
Center Frequency	MHz			80	Customizable
Frequency Shift	MHz			80	
Bandwidth 3dB	MHz			±20	
Clear Aperture (L* W)	mm			2*0.5	Customizable
RF Power	W			2.5	
Rise Time	ns		100		
VSWR				1.2:1	
Input Impedance	Ω			50	
Deflection Angle	mrاد			29.5	
Device Interface				SMA	
Working temperature	°C			0~50	
Storage Temperature	°C			-30~70	

