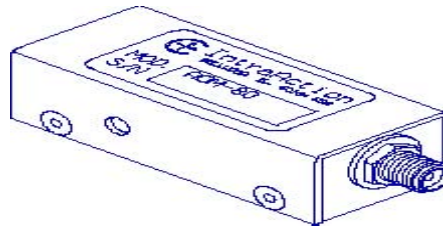


A-O MODULATOR

- High Optical Power Capability
- Intensity Modulation
- Optical Frequency Sifting
- High Reliability
- Excellent Temperature Stability



SPECIFICATION

Optical Wavelength Range	440nm to 700nm
Acousto-optic Material	Dense Flint Glass
Static Optical Insertion loss	2% (633nm)
Optical Polarization	Any
RF Input Impedance	50 ohms
RF Connector	SMA
Size (less connector)	2.00D x 0.63 H x 0.88 W inches 50.8D x 16.1 H x 22.4 W mm

Model	AOM-80	
Acoustic Frequency	80 MHz	
Active Aperture Height	1mm	
Optical Wavelength	442nm	633nm
Beam Separation	9.7 mrad	13.9 mrad
RF Drive Power	1 watt	2 watts
Static Optical Insertion Loss	7 %	2 %
Beam Diameter	0.18 mm / 0.36 m	0.18 mm / 0.36m
Optical Rise Time	35 nsec / 70 nsec	35 nsec / 70 nsec
Modulation Bandwidth	15 MHz / 7.5 MHz	15 MHz / 7.5 MHz
Diffraction Efficiency	80% / 85%	70% / 80%
Model	AOM-110	
Acoustic Frequency	110 MHz	
Active Aperture Height	0.6 mm	
Optical Wavelength	442nm	633nm
Beam Separation	13.4 mrad	19.2 mrad
RF Drive Power	1 watt	2 watts
Static Optical Insertion Loss	5 %	2 %
Beam Diameter	0.14 mm / 0.28 mm	0.14 mm / 0.28 mm
Optical Rise Time	24 nsec / 48 nsec	24 nsec / 48 nsec
Modulation Bandwidth	20 MHz / 10 MHz	20 MHz / 10 MHz
Diffraction Efficiency	80% / 80%	70% / 70%

