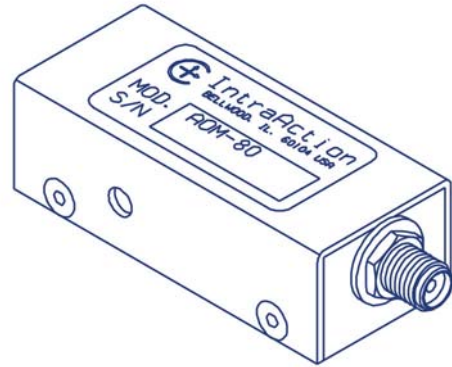


# MODEL AOM-80 MODEL AOM-110 ACOUSTO-OPTIC MODULATOR

- HIGH OPTICAL POWER CAPABILITY
- INTENSITY MODULATION
- OPTICAL FREQUENCY SHIFTING
- HIGH RELIABILITY
- EXCELLENT TEMPERATURE STABILITY



SPECIFICATIONS				
Optical Wavelength Range	440 nm to 700 nm			
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)	2.00 D x 0.63 H x 0.88 W inches			
	50.8 D x 16.1 H x 22.4 W mm			
MODEL	AOM-80		AOM-110	
Acoustic Frequency	80 MHz		110 MHz	
Active Aperture Height	1 mm		0.6 mm	
Optical Wavelength	<b>442 nm</b>	<b>633 nm</b>	<b>442 nm</b>	<b>633 nm</b>
Beam Separation	9.7 mrad	13.9 mrad	13.4 mrad	19.2 mrad
RF Drive Power	1 Watt	2 Watts	1 Watt	2 Watts
Static Optical Insertion Loss	7%	2%	5%	2%
Beam Diameter	0.18 mm/0.36 mm	0.18 mm/0.36 mm	0.14 mm/0.28 mm	0.14 mm/0.28 mm
Optical Rise Time	35 ns/70 ns	35 ns/70 ns	24 ns/48 ns	24 ns/48 ns
Modulation Bandwidth	15 MHz/7.5 MHz	15 MHz/7.5 MHz	20 MHz/10 MHz	20 MHz/10 MHz
Diffraction Efficiency	80%/85%	70%/80%	80%/80%	70%/70%