

Acousto-optical Modulator, Acousto-optical Q-switch

Model	97-03388-03R1 (5080-296)	97-03388-02R2 (5041-296)
Interactive Material	Crystal Quartz	Crystal Quartz
Operating Wavelength	1064nm	1064nm
Damage threshold	>500MW/cm ²	>500MW/cm ²
AR coating reflectivity	<0.2% per surface	<0.2% per surface
Transmission	>99.6%	>99.6%
Acoustic Frequency	80MHz	40.48MHz
VSWR	<1.2:1	<1.2:1, 50Ohm
Optical polarization	Random or linear (vertical to base)	Random or linear (vertical to base)
Active aperture	1.5mm	1.5mm
Acoustic mode	Compressional	Compressional
Separation angle	14.8mrad	7.6mrad
Rise-time (10-90%)	113ns/mm	113ns/mm
Diffraction efficiency	>85% (vertical/linear polarization) >70% (Random/linear polarization)	>85% (vertical/linear polarization) >70% (Random/linear polarization)
Max RF power	20W	20W
Housing	97-03388	97-03388

