

M1099-T80L-3(M)



## **Acousto-Optic Modulator**

0419

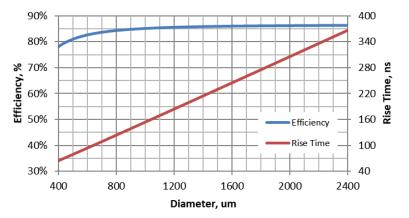
Compact AO Modulator designed for High Power NIR Fibre and DPSS laser applications. AOM is supplied with a removable water cooled base plate.

## **SPECIFICATIONS**

Spectral Range: Standard A/R Wavelengths: Optical Power: Interaction Medium: Acoustic Velocity: Centre Frequency (Fc): RF Bandwidth: Input Impedance: VSWR: Clear Aperture: Active Aperture: Active Aperture Height: Static Insertion Loss Reflectivity: Laser Polarization: Static Contrast Ratio:  $0.36 > 1.5\mu m$   $0.7-0.9\mu m \text{ or } 1.064\mu m *$  100 Watts CW \*Tellurium Dioxide (TeO<sub>2</sub>)  $4.2mm/\mu s$  80MHz 30MHz  $50\Omega \text{ Nominal}$  <1.5:1 @ Fc 6.5mm 3mm <3% at 1.1um < 0.5%/SurfaceAny / vertical preferred \* >1000:1 min (>2000:1 typical)

## TYPICAL PERFORMANCE at 1.1um \*





	780nm	840nm	1064nm
RF Power (nominal):	1.9 W	2.2 W	3.5 W
Bragg Angle:	7.4 mrad	8.0 mrad	10.5 mrad
Separation Angle:	14.9 mrad	16.0 mrad	21.0 mrad

\* see foot notes

 ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

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Quality Assured. In-house: Crystal Growth, Optical Polishing, A/R coating, Vacuum Bonding

