

M1099-T80L-3(M)



Acousto-Optic Modulator

0419

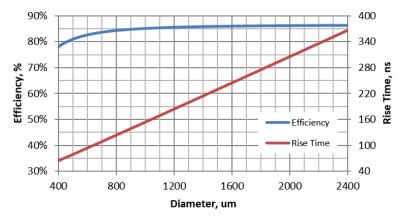
Compact AO Modulator designed for High Power NIR Fibre and DPSS laser applications. AOM is supplied with a removable water cooled base plate.

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 (TeO₂) $4.2mm/\mu s$ 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

 ISOMET CORP, 10342 Battleview Parkway, Manassas, VA 20109, USA.

 Tel: (703) 321 8301
 Fax: (703) 321 8546

 E-mail: ISOMET@ ISOMET.COM
 Web Page: WWW.ISOMET.COM

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

