

M1099-T80L-3 (532nm) Acousto-Optic Modulator



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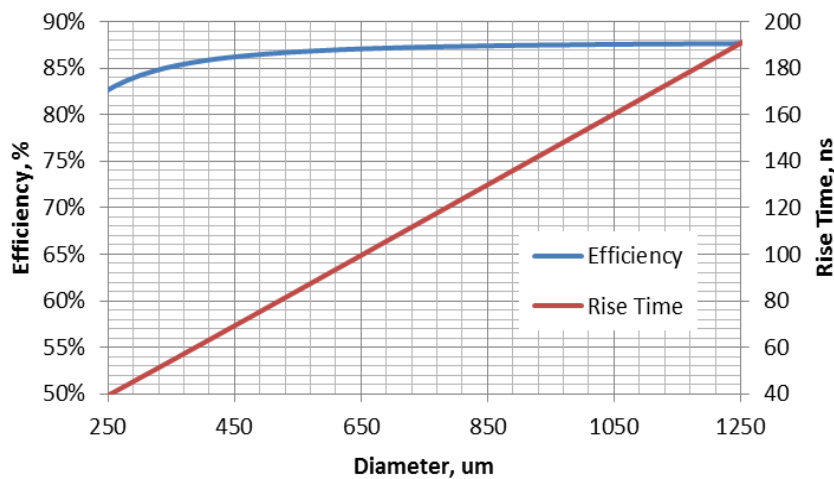
Compact AO Modulator designed for High Power NIR Fibre and DPSS laser applications.

SPECIFICATIONS

Spectral Range:	0.36 > 1.5 μ m
Standard A/R Wavelengths:	0.532 μ m
Interaction Medium:	Tellurium Dioxide (TeO ₂)
Acoustic Velocity:	4.2mm/ μ s
Optical Power:	5 Watts CW **
Centre Frequency (Fc):	80MHz
RF Bandwidth:	30MHz
Input Impedance:	50 Ω Nominal
VSWR:	<1.5:1 @ Fc
Clear Aperture:	6.5mm
Active Aperture Height:	3mm
Static Insertion Loss	<3% at 0.532 μ m
Reflectivity:	< 0.5%/Surface
Laser Polarization:	Vertical preferred
DC Contrast Ratio:	>1000:1 min (>2000:1 typical)
RF Power:	<1 Watt
Bragg Angle:	5.07 mrad
Separation Angle at fc :	10.1 mrad
Cooling:	Conduction

TYPICAL PERFORMANCE at 0.532 μ m

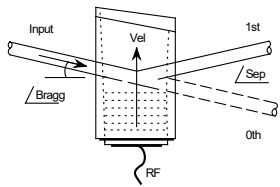
Estimated



** For higher powers please contact Isomet

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



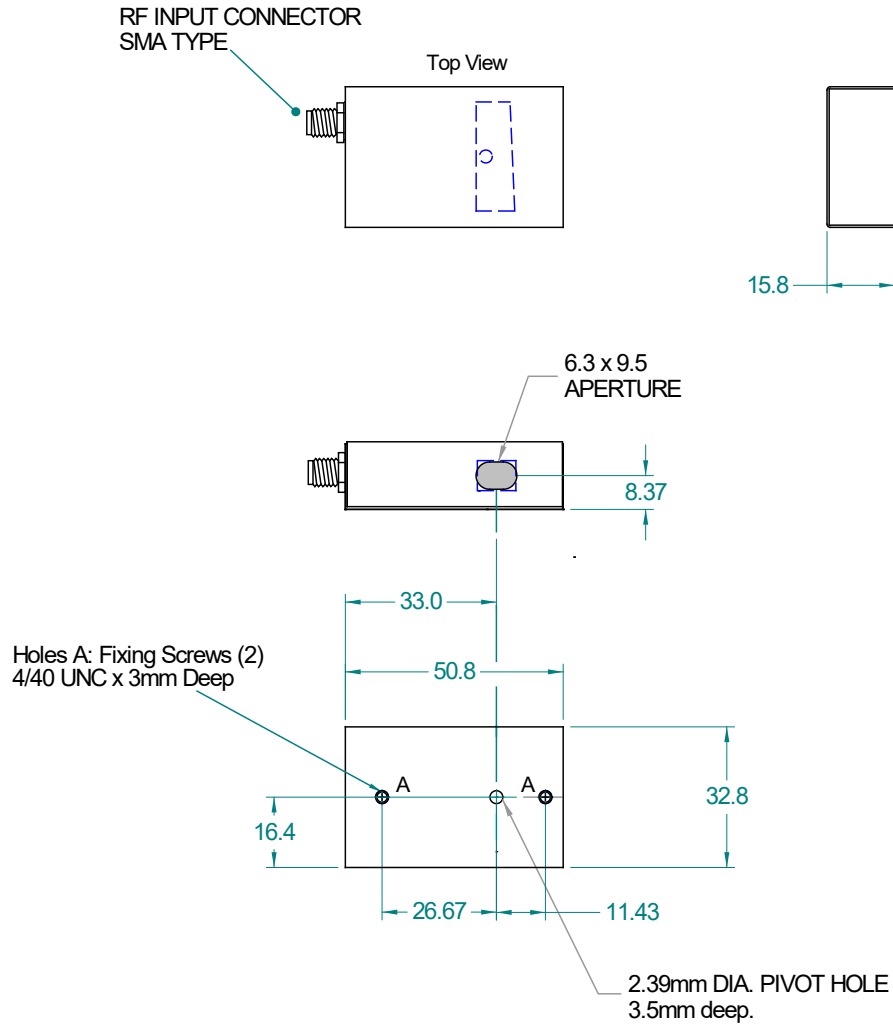
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OUTLINE DRAWING

Dimensions: mm



Recommended Driver

Model 522C-2 (Digital Modulation)

Model 532C-2 (Analog Modulation)

Model 552F-2 (Dual Modulation)

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