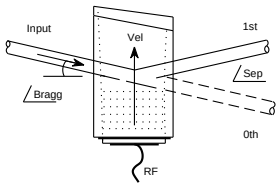


D1135-T180L

Acousto-Optic Deflector

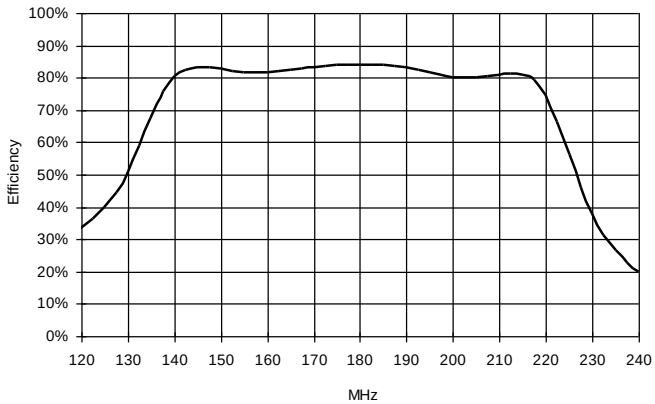
0115

Compact AO Deflector designed for High Power Fibre and DPSS, 532nm lasers. The unit incorporates four section acoustic beam steering to produce a flat scan response. Applications include high speed, sequential multi-point scanning or fast sweep operation.

SPECIFICATIONS

Spectral Range:	0.36 > 1.5μm
Standard A/R Wavelengths:	0.532um
Optical Power:	7 Watts **
Interaction Medium:	Tellurium Dioxide (TeO2)
Acoustic Velocity:	4.2mm/μs
Centre Frequency (Fc):	180MHz (nominal)
RF Bandwidth:	80MHz, minimum
Input Impedance:	50Ω Nominal
VSWR:	<1.5:1 @ Fc
Clear Aperture:	6.5mm
Active Aperture Height:	3mm
Static Insertion Loss	<3% at 0.532um
Reflectivity:	< 0.5%/Surface
Laser Polarization:	Linear Vertical preferred
RF Power (total):	3 Watts nominal
Bragg Angle:	11.4 mrad
Typical Scan Angle:	10 mrad
Cooling:	Water cooled base plate Corrosion inhibitor strongly recommended Thermal interlock switch opens at 40degC

ESTIMATED SCAN PERFORMANCE at 0.532um *

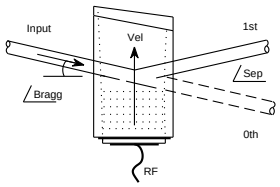


* Single mode input

** For higher powers please contact Isomet

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
ISOMET CORP, 5263 Port Royal Rd, Springfield, VA 22151, 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



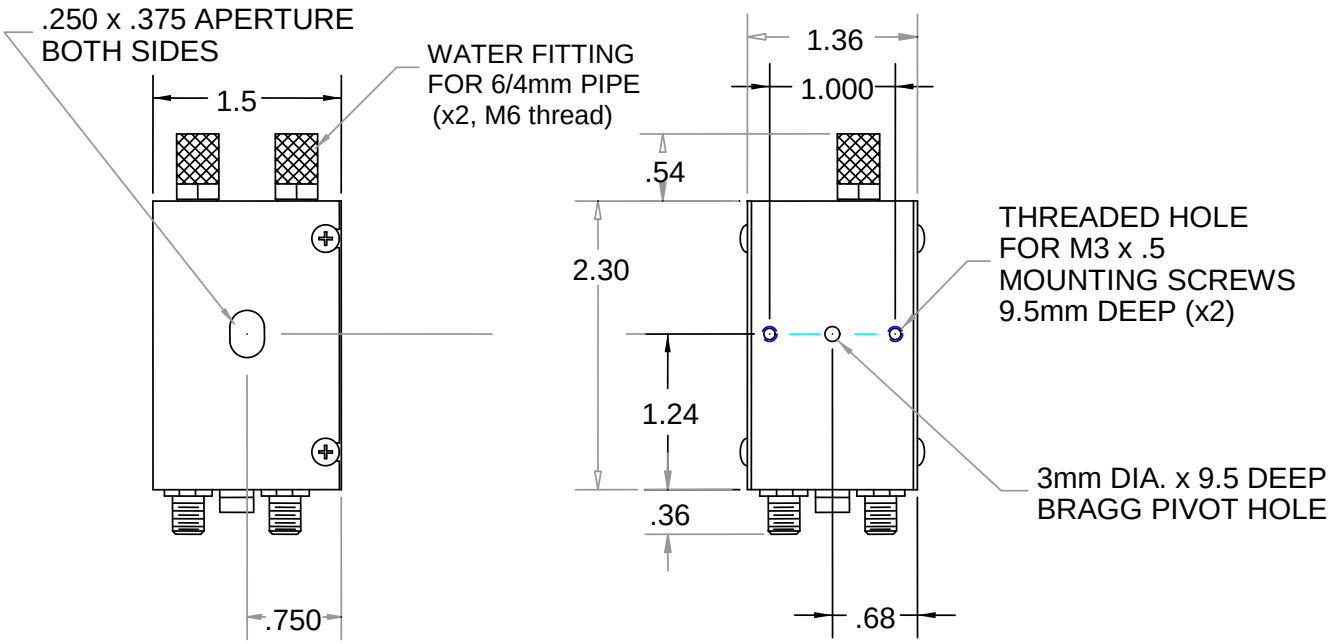
D1135-T180L

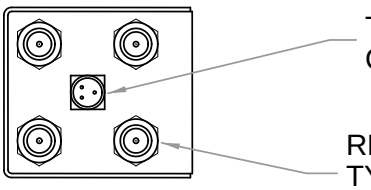
Acousto-Optic Deflector

0115

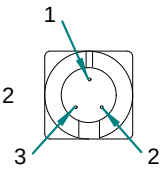
OUTLINE DRAWING

Dimensions: Inches





Interlock Connector: 3-pin Snap
Normally Closed Contacts : Pins 1 , 2
Not connected : Pin 3



Recommended Driver

Model RFA3175-4

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