

M1206-P110L-1

Acousto-Optic Modulator



3922

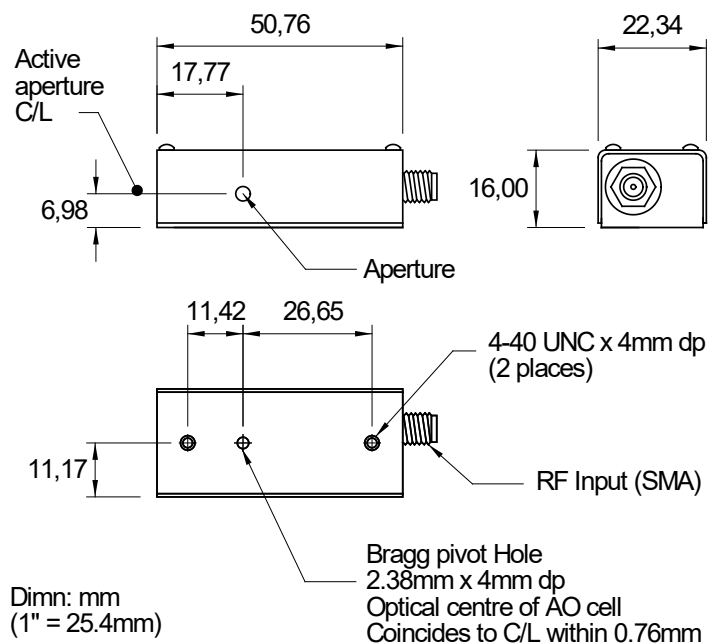
APPLICATIONS

- Intensity Modulator
- Low resolution Deflector
- Frequency Shifter

RF Drive Electronics

Digital modulation	523F-L / -2, 823F-L
Analog modulation	533F-L / -2, 833F-L
Dual modulation	553F-L / -2
Tuneable with modulation	630C-110, iSPA-SF1-w

OUTLINE DRAWING

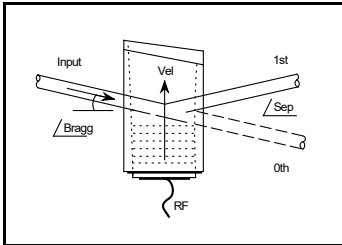


Option -M , metric mounting threads, M3

Note: Mount device to heat conducting surface

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
 ISOMET CORP, 10342, Battleview Parkway, VA 20109, USA.
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Quality Assured.
 In-house: Crystal Growth,
 Optical Polishing,
 A/R coating, Vacuum Bonding



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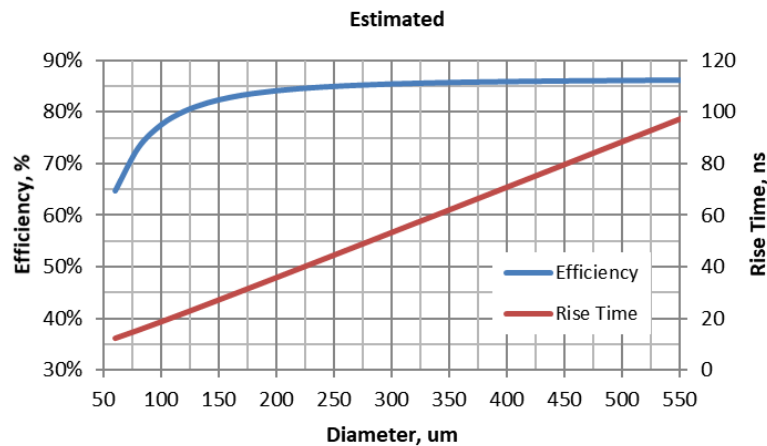
SPECIFICATIONS

Spectral Range:	0.44 > 1.5 μ m
Standard A/R Wavelengths:	488 - 633nm
Interaction Medium:	Lead Molybdate (PbMoO ₄)
Input polarization:	Any
Acoustic Velocity:	3.63mm/ μ s
Active Aperture:	1mm
Centre Frequency (CF):	110MHz
RF Bandwidth:	50MHz
Input Impedance:	50 Ω Nominal
VSWR:	<1.5:1 @ 110MHz
DC Contrast Ratio:	>1000:1 min (>2000:1 typical)

PERFORMANCE vs. WAVELENGTH

Wavelength (nm):	488	515	633
RF Drive Power(W):	<0.5	<0.6	<0.9
Bragg angle (mrad):	7.4	7.8	9.6
Beam Separation (mrad):	14.8	15.6	19.2
Static Insertion Loss (%):	<7	<3	<3

PERFORMANCE vs. BEAM DIAMETER at 515nm



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