

M1250-P200L-0.75

Acousto-Optic Modulator



0419

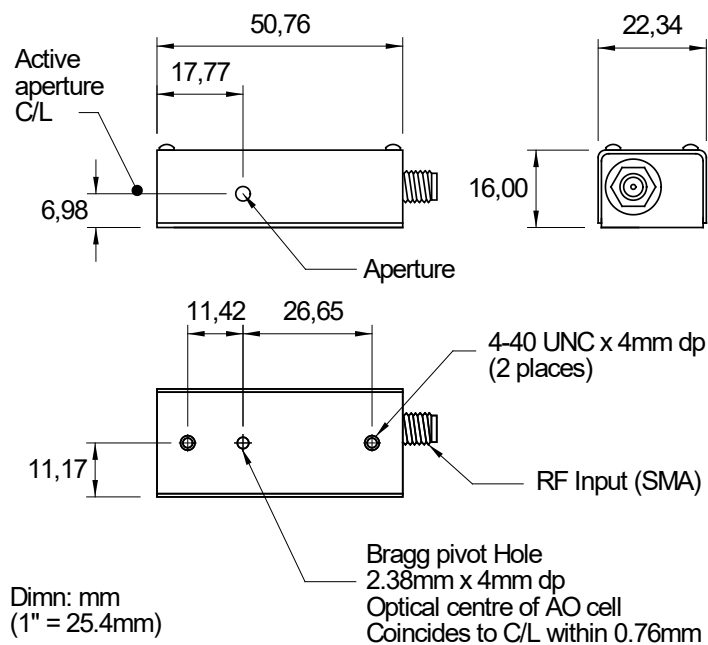
APPLICATIONS

- Intensity Modulator
- Low resolution Deflector
- Frequency Shifter

RF Drive Electronics

Digital modulation	525C-L / -2
Analog modulation	535C-L / -2
Dual modulation	555F-L / -2
Tuneable with modulation	630C-200, iSPA-SF1-w

OUTLINE DRAWING

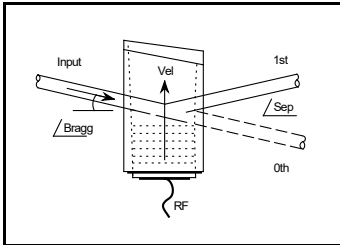


Option -M , metric mounting threads, M3

Note: Mount device to heat conducting surface

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
 ISOMET CORP, 10342, Battleview Parkway, VA 20109, USA.
 Tel: (703) 321 8301 Fax: (703) 321 8546
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Quality Assured.
 In-house: Crystal Growth,
 Optical Polishing,
 A/R coating, Vacuum Bonding



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SPECIFICATIONS

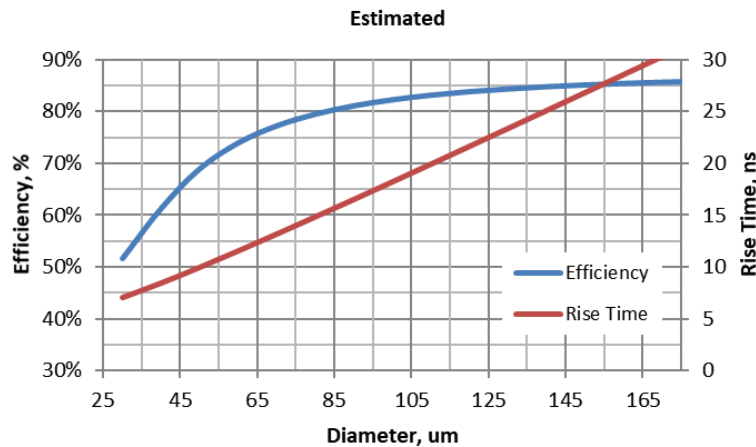
Spectral Range:	0.36 > 1.5 μ m
Standard A/R Wavelengths:	488 - 633nm
Interaction Medium:	Lead Molybdate (PbMoO ₄)
Input polarization:	Any
Acoustic Velocity:	3.63mm/ μ s
Active Aperture:	0.75mm
Centre Frequency (CF):	200MHz
RF Bandwidth:	100MHz
Input Impedance:	50 Ω nominal
VSWR:	<1.5:1 @ 200MHz
DC Contrast Ratio:	>1000:1 min (>2000:1 typical)

PERFORMANCE vs. WAVELENGTH

Wavelength (nm):	488	532	633
RF Drive Power(W):	<1.0	<1.1	<1.6*
Bragg angle (mrad):	13.4	14.7	17.4
Beam Separation (mrad):	26.9	29.3	34.9
Static Insertion Loss (%):	<5	<3	<3

* Max CW or average RF power limited to 1.2W

PERFORMANCE vs. BEAM DIAMETER at 532nm



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