

# OAM1060

## Acousto-Optic Modulator

Off-Axis



1106

The OAM-1060 is a high efficiency laser beam modulator, offering wide beam separation and >200KHz modulation bandwidth. Specific input beam polarization and orientation are required for correct operation.

### SPECIFICATIONS

Operating Wavelength:	532nm
Interaction Material:	TeO <sub>2</sub> (Off-Axis Mode)
Acoustic Velocity:	650 m/s (Nominal)
Active Aperture:	2mm
Centre Frequency (f <sub>c</sub> )	80MHz
RF Bandwidth (Δf)	40MHz
Input Impedance:	50Ω (Nominal)
VSWR:	< 1.5 :1 at f <sub>c</sub>
Laser Polarization:	Linear, Horizontal
Optical Power:	< 5W

### PERFORMANCE

Wavelength (nm):	532
RF Drive Power (Watts):	<0.35
Bragg Angle (Deg @ 80MHz)	4.3° (Nominal)
Beam Separation (Deg) @ 80 MHz:	3.6°
Diffraction Efficiency	≥85% min, >90% typ
Static Insertion loss	<3% max, < 2% typ

### RECOMMENDED DRIVER

Model 522C-L (Digital Modulation)  
 Model 532C-L (Analog Modulation)

#### 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](mailto:ISOMET@ISOMET.COM) Web Page: [WWW.ISOMET.COM](http://WWW.ISOMET.COM)

Quality Assured.

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



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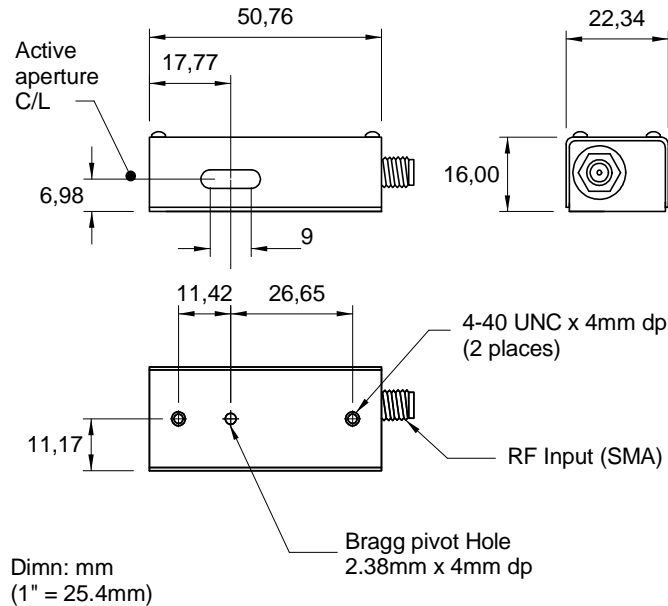
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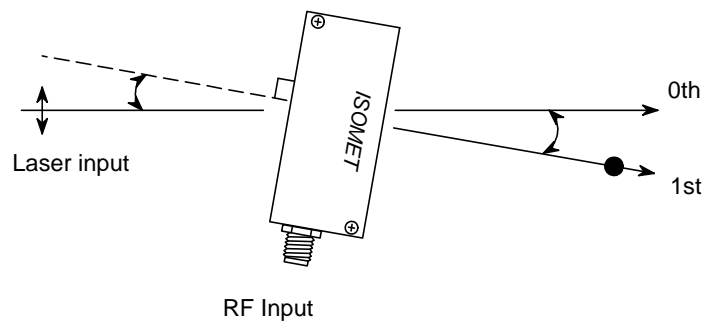


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### OUTLINE DRAWING



### ORIENTATION



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