

OP5-P300-1p5

Acousto-Optic Bragg Cell



1021

A wide bandwidth Acousto-optic Bragg Cell for Optical Signal Processing Applications

OPERATING PARAMETERS

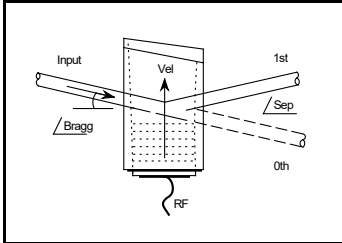
AR Wavelengths:	488-633nm, 633-830nm
$\tau\Delta f$:	1000
Centre Frequency:	300MHz
3dB Bandwidth:	200MHz
Active Aperture:	1.5mmH x 19mmL
Time Aperture:	5 μ s
Interaction Medium:	PbMoO ₄
Acoustic Velocity:	3.63mm/ μ s
Diffraction Efficiency:	10% at 1 Watt RF Power (633nm)
Electrode Profile:	Apodized to minimise acoustic walkoff
Optical Surface Flatness:	$\lambda/10$ or better
Input Impedance:	50 Ω
Input VSWR:	$\leq 2:1$ across RF Bandwidth
Optical Reflectivity:	$\leq 0.5\%$ /Surface

DRIVER

iMS2-HF synthesizer and AF0- series amplifier

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
 ISOMET CORP, 10342 Battlevue Parkway, Manassas, VA 20109, 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



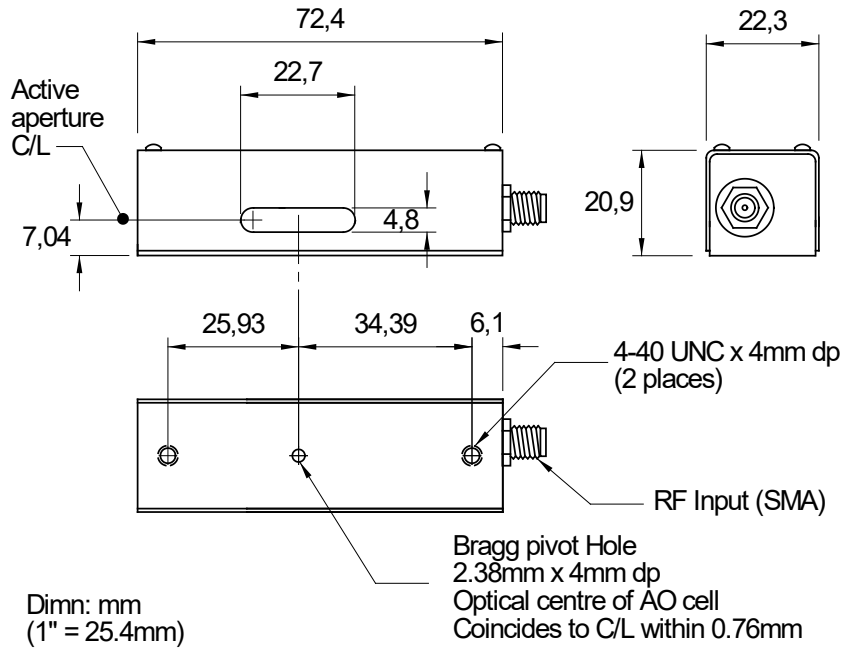
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OUTLINE DRAWING



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