

1250C-BS-960A

Acousto-Optic Deflector



0114

The Model 1250C-BS-960A is a high speed deflector for sequential multi-beam or raster scan operation. The unit incorporates two-section acoustic beam steering to produce a flat scan response. The 1250C-BS-960A may be operated with up to five watts CW optical power at 532nm.

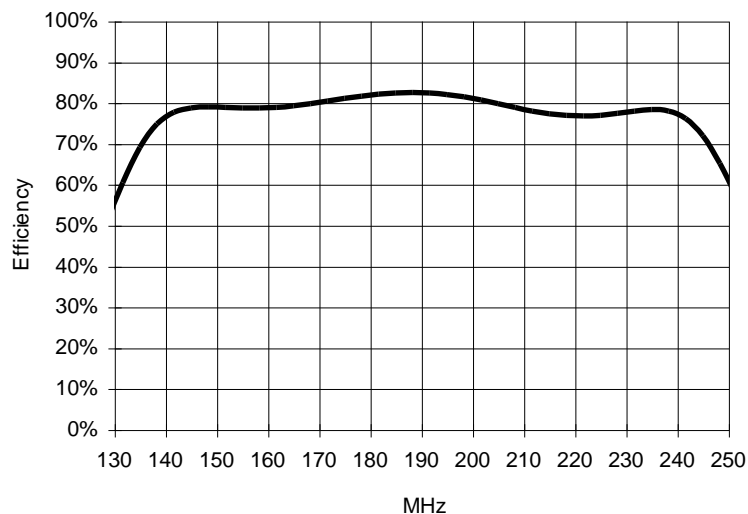
FEATURES

Flat Scan Response
 5 Watts Optical Input
 High Speed Deflection

SPECIFICATIONS

Operating Wavelength:	532nm
Interaction Material	Lead Molybdate (PbMoO ₄)
Active Aperture:	1.5mm x 6mm
Access Time:	1.6μSec
Rayleigh resolution (N):	160
Optical Power:	5.0 Watts maximum
Centre Frequency:	190MHz
RF Bandwidth:	>100MHz
Diffraction Efficiency (DE):	≥ 70% across scan
D/E Variation vs. Freq:	< 10%
RF Power:	≤ 1.5 Watts

TYPICAL SCAN RESPONSE



ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

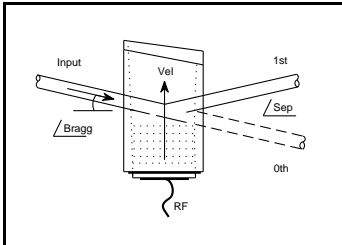
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Quality Assured.

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



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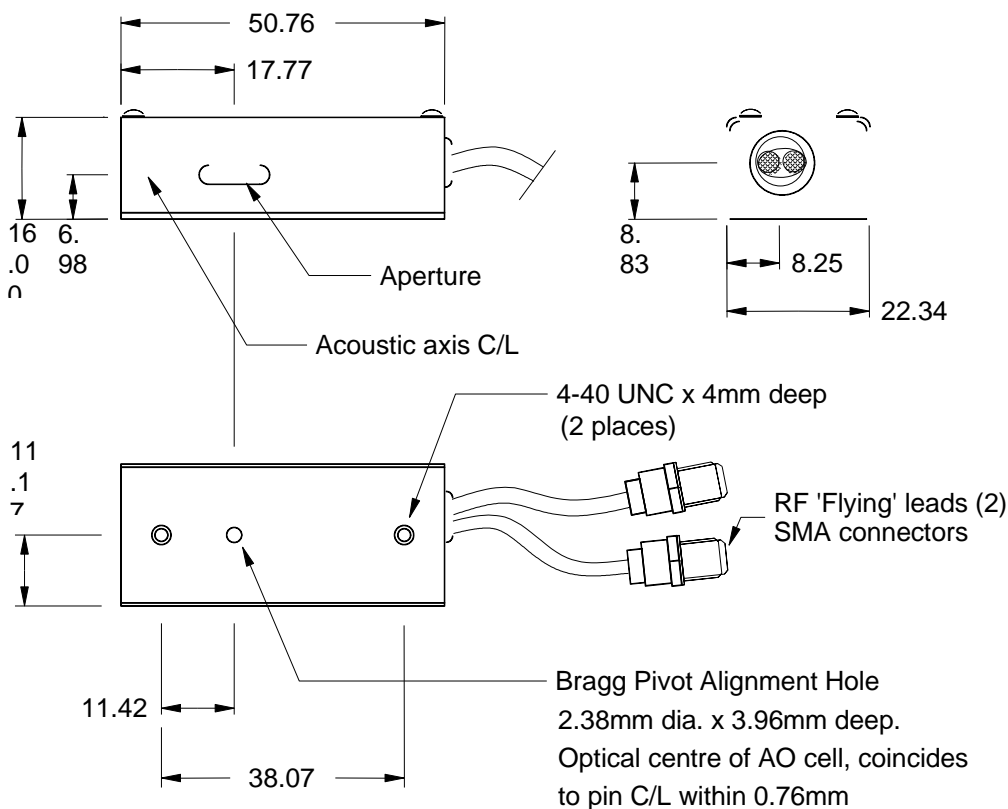
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OUTLINE DRAWING

Dim'n: mm



RF DRIVE ELECTRONICS

Tuneable Frequency with digital intensity modulation	D325-2BS
Tuneable Frequency with analog intensity modulation	D335-2BS

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