

1205C-843

NIR Acousto-Optic Modulator



1106

APPLICATION

The 1205C-843 has been optimised for the best performance as an intensity modulator or frequency shifter at NIR wavelengths in the region of 1 –1.2µm.

SPECIFICATIONS

Operating Wavelength:	1.06µm *
Interaction Material:	Lead Molybdate (PbMoO ₄)
Active Aperture (mm):	0.50
Centre Frequency (fc):	80MHz
Tuned RF Bandwidth (Δf):	30MHz
Diffraction Efficiency (%):	≥ 80.0
RF Power Input (Psat)	<1.30 Watts
Static Insertion Loss (%):	≤ 3.0
Bragg Angle (mrad):	11.68
Separation Angle (mrad):	23.36
D.C. Contrast Ratio:	>1000:1 min (2000:1 typical)

* Other NIR wavelengths available

RECOMMENDED DRIVERS

522C-L or -2 (Digital Modulation)
620C-80 (Variable Frequency & Digital Modulation)

532C-L or -2 (Analog Modulation)
630C-80 (Variable Frequency & Analog Modulation)

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

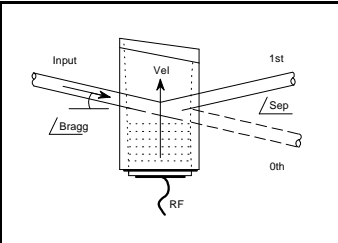
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Quality Assured.

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



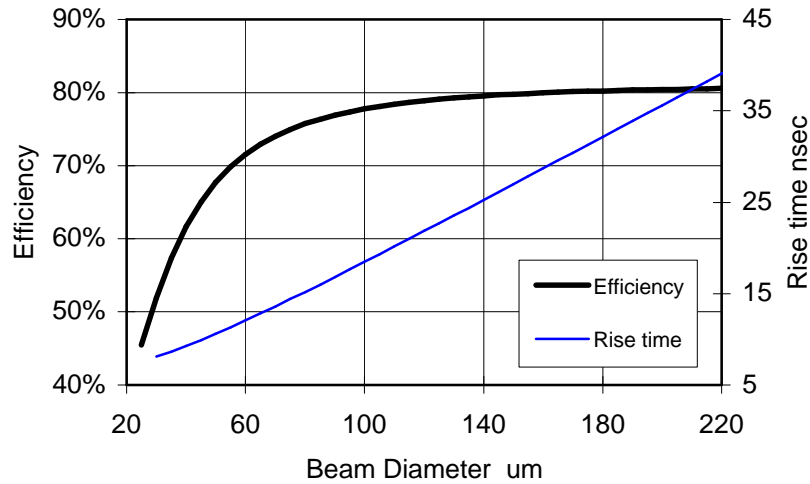
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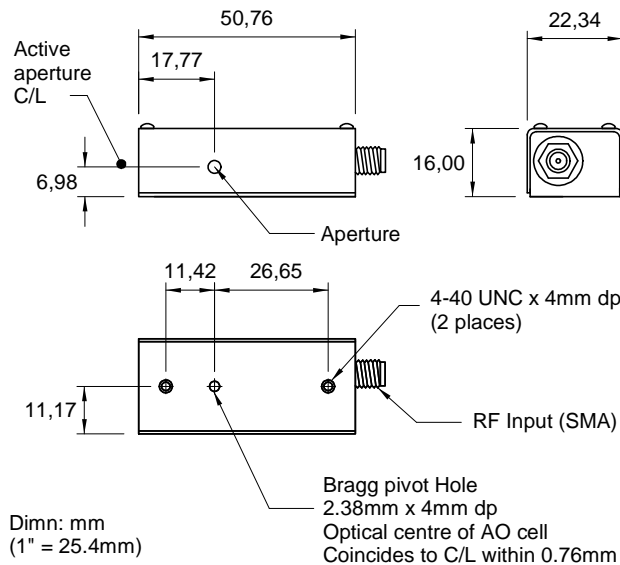


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TYPICAL PERFORMANCE vs. BEAM DIAMETER



OUTLINE DRAWING



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