

ODXY1441-T100S-3



Acousto-Optic Deflector

Off-Axis

5022

The ODXY1441 dual axis deflector offers high diffraction efficiency over a wide scan angle at 532nm. Specific input beam polarization and orientation are required for correct operation. The crystal faces are polished to provide nominal colinear operation (Centre of XY scan colinear with input beam path).

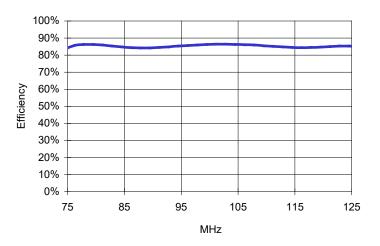
SPECIFICATIONS

Operating Wavelength: Interaction Material: Active Aperture: Centre Frequency (f_c) RF Bandwidth (Δf) Input Impedance: VSWR: Access Time (τ): $\tau\Delta f$ Resolution: Input Laser Polarization: 532nm TeO₂ (Off-Axis Mode) 3.5mm H x 3.5mm L 100MHz (+/- 10% for best efficiency across Δf .) 50MHz 50 Ω (Nominal) < 2.5 : 1 across Δf 5.3 μ s > 256 x 256 resolvable Spots Linear, Vertical

PERFORMANCE

Wavelength: RF Drive Power: Bragg Angle @ 100MHz: Beam Separation @ 100 MHz: Scan Angle: Diffraction Efficiency, X-Y 532nm <0.6W per axis 5.3° (Nominal) 4.6° 2.3° x 2.3° ≥_60%

TYPICAL DIFFRACTION EFFICIENCY RESPONSE PER AXIS



ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICEISOMET CORP, 10342 Battleview Parkway, Manassas, VA 20109, USA.Tel: (703) 321 8301Fax: (703) 321 8546E-mail: ISOMET@ ISOMET.COMWeb Page: WWW.ISOMET.COM

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

