

## D1011-G70L-10

## **High Power AO Deflector**



2121

## **APPLICATIONS**

- IR Imaging
- Laser Radar (Ranging, Tracking)
- Material Processing

## FEATURES

- High Speed, High Resolution
- High Optical Power Capability
- Minimal Intensity Variation

The D1011 and associated RF driver electronics have been designed to maintain the Bragg relationship over the specified sweep bandwidth. This provides minimal variation of diffraction intensity across the scan angle. Diagnostics provide real time temperature measurement and RF power monitoring.

Operating Wavelength\*: Interaction Material: Centre Frequency (fc): FM Bandwidth: Diffraction Efficiency: D/E Variation vs. Freq.: RF Power for Max. D/E Static Insertion Loss: Optical Power (max): Bragg Angle: Separation Angle: Scan Angle:

Active Aperture \*\*: Access Time: Resolution:

Laser Polarization: Water Cooling (Minimum): Drive Electronics \*\*\*: 10mmH x 40mmW 7.3μsec 290

10mmH x 60mmW 10.9μsec 436

Linear, Horizontal 2Liters/Min. @ < 20°C iMS4-, AR1-70T-4-90



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

SPECIFICATIONS

9.27μm (standard)
Germanium
70MHz
40MHz
> 80%
< 5% (with power and phase programming)</li>
< 240 Watts total</li>
< 4%</li>
600 Watts (CW full aperture)
59.0 mrad.
118.0 mrad. (@ fc)
67.4 mrad.

