

10mm Aperture, Nd:YAG 532/1064nm Dielectric, Saturn 9B Dual Axis Galvanometer Scanner

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10mm Aperture, Saturn 9B Dual Axis Galvanometer Scanner



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Mirror Aperture (mm):
10

Surface Flatness (P-V):
≤λ/4 @ 632.8nm

Type:

Dual Axis
Coating: Dielectric Mirror (532, 1064nm)
Scan Angle (°): 40 (Optical)
Substrate: ☐ Silicon (Si)
Operating Temperature (°C): 0 to +50
Dimensions (mm): 70.1 x 55.7 x 54.5 (of mount. Galvos protrude ~19mm)
Power Requirement: ±24 VDC
Position Signal (V): ±10
Current - Peak (A): Maximum: 25
Current - RMS (A): 5.7 (Case @ 50°C)
Coil Resistance (Ω): 1.65
Rotor Inertia (gm-cm²): 0.032
Torque Constant (dyne-cm/A): 41,000
Coil Inductance (μH): 130
Back EMF Voltage (μV/°/s): 71.6
Step Response 0.1° (μs): 300
Model Number: ScannerMAX Saturn 9B
Note: #21-969 is tuned for small-signal applications, such as laser marking
Power Supply: Power Supply Required and Sold Separately. USA: #16-045 Europe: 2 x #14-571 Japan: #16-045 Korea: N/A* China: #16-045 *See copy for power supply requirements

Regulatory Compliance

RoHS: Compliant
Certificate of Conformance: View