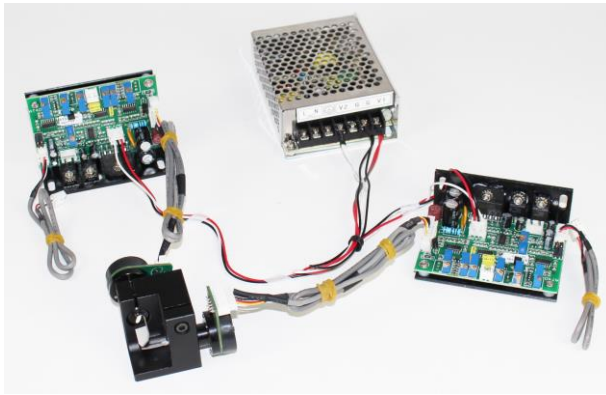


Galvo Scanner AT-50MD

The galvo scanner series can be configured in X-Y combo mode or be separated for individual operation, two drivers in one PCB board is also available at request. Customization is available



Features

- High Speed and Low Drift
- Compact Size
- Accurate Performance
- High Stability and Excellent Reliability

Applications

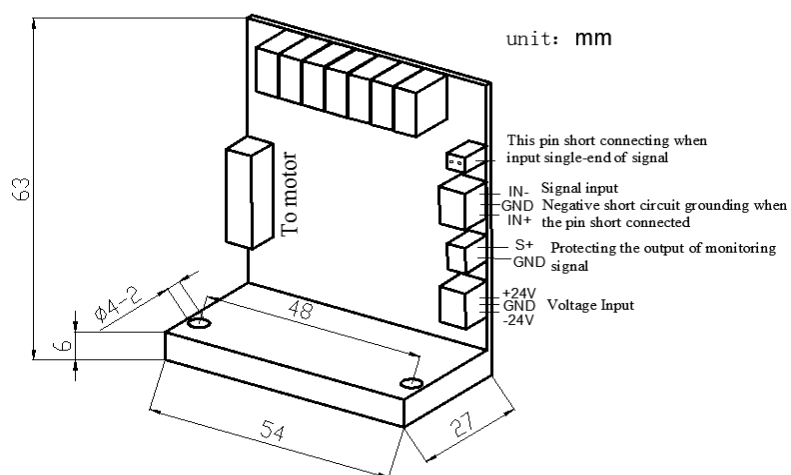
- Laser Marking and Welding
- LIDAR
- OCT
- Optical Instruments

Specifications

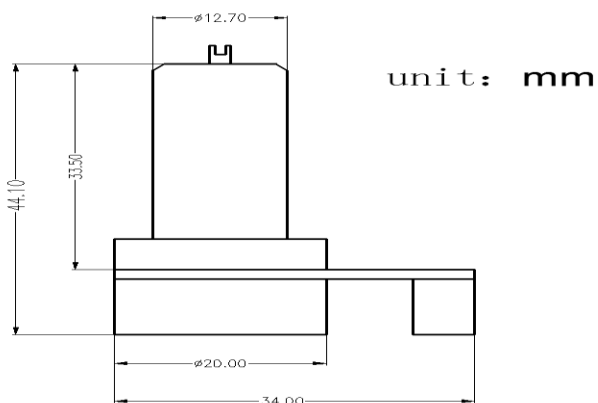
Technical Data	
Mirror size (mm)	11x9 (or customized)
Wavelength options	840nm 1310nm 1550nm etc
Scanner angle	40° (options: 80°)
Scanner speed	30Kpps (30k ILDA test pattern)
Maximum rotor temperature(°C)	130°C
Thermal resistance(°C/watt, maximum)	1.0°C/W
Coil resistance(ohms, ±10%)	2.5
RMS current (A, at case=50°C, maximum)	3.3
Peek current (A)	5
Small angle step response (typical)	0.25ms
Weight (grams, typical)	40
Position Detector :	
Linearity	99.0%
Scale drift	50PPM/°C · maximum
Zero drift	15 urad/°C · maximum
Repeatability, Short-Term	10urad
Position input proportional coefficient	0.5 V/°
Input resistance (differential mode)	200K±1%Ω (differential)

Analog Series Technical Data:	
Analog Input Impedance	200K \pm 1% Ω (differential)
Position Input Scale Factor	0.5 volt/mechanical degree(2 degree/volt)
Position Input Range	\pm 10 volt, maximum
Position Output Scale Factor	0.5 volt/ degree
Power Supply Requirements	\pm 24VDC
Operating Temperature Range	0-50 $^{\circ}$ C
Analog Input Impedance	200K \pm 1% Ω (differential)

Board size



Motor size



Ordering Information Please contact Optowaves sales at Sales@optowaves.com