ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Find the *Kollmorgen / Pacific Scientific 6415-001-N-N-N* at our website: *Click HERE*

6410/6415 MICROSTEPPING DRIVES



PACIFIC SCIENTIFIC 6400 MICROSTEPPING DRIVES ARE...

Modular, Functional, and Flexible

Modular

The Pacific Scientific 6000 series high performance microstepper drives are modular to support a broad range of requirements. The modular design assures that you maximize your value. Offered in two power levels, the 6200 and 6400 microsteppers are ideally suited for single or multi-axis applications where space it at a premium.

Functional & Flexible

Each series is design to be mounted in either a bookshelf or cold plate configuration. This flexibility allows the user to optimize the available space in your panel. Microstep resolution is selected via DIP switches. Microstepping assures smooth low speed operation and optimum system resolution. The 6200 and 6400 resolutions are adjustable up to 20,000 and 51200 steps per revolution respectively.

Current ranges are DIP switch selectable as well. Idle current reduction is also offered. This provides the ability to reduce motor heating when at idle. It also conserves system energy typically useful when operating with battery back systems. The 6200 drives require a 24-40 VDC input power source. The 6400 drives require a 24-75 VDC power source.

Both packages are available with two standard options: The 6210 and 6410 accept step and direction inputs from a remote indexing sources. The 6215 and 6415 include an on-board Oscillator card. These units include 4 built-in potentiometers to adjust acceleration, deceleration low speed and run speed settings. Or you can apply an external voltage source and use the pre-configured input to start and stop the motion.

AGENCY APPROVAL

cUL, CE

6410 FEATURES

- Single power supply input
- Patented 4-phase Bipolar Chopper Drive for superior current regulation and low ripple current
- Output current adjustable from 0.625 A to 5 A_{RMS} with 3 position dipswitch
- Microstepping provides smooth operation and increased resolution
- Patented Digital electronic Damping™ reduces instability at mid-speed ranges
- Idle current reduction reduces motor heating in many applications
- Selectable step filter rejects noise on step input
- Fault Protection:
  - – line-to-line and line-to-neutral shorts
  - – Internal power supply under-voltage
  - – Bus overvoltage
- Compact size

6415 FEATURES

- Single power supply input
- Patented 4-phase Bipolar Chopper Drive for superior current regulation and low ripple current
- Output current adjustable from 0.625 A to 5 A_{RMS} with 3 position dipswitch
- Microstepping up to 51,200 steps/revolution
- Patented Digital Electronic Damping™ reduces instability at mid-speed ranges
- Idle current reduction reduces motor heating in many applications
- Selectable step filter rejects noise on step input
- Fault Protection:
  - – line-to-line and line-to-neutral shorts
  - – Internal power supply under-voltage
  - – Bus overvoltage
- Compact size
- Low/high speed select input
- On-board multi-turn potentiometers
- External customer potentiometer
- Customer supplied ±10 VDC analog input
- Optional heat sink

DRIVE SPECIFICATIONS

	6410	6415
Step Sizes	Binary or Decimal, full to 1/250 or 1/256	Binary or Decimal, full to 1/250 or 1/256
Input Voltage	24-75 VDC	24-75 VDC
Output Current	0.625-7.1 amps, Peak	0.625-7.1 amps, Peak
Interface		
Inputs	Step and Direction	±10 VDC, Step/Dir, Discrete Input
Outputs	n/a	n/a
Connectors	Screw Terminal, D Sub	Screw Terminal, D Sub
Package Size W (w/heat sinks)xHxD	39.62 x 104.90 x 82.55 mm (1.56 x 4.13 x 3.25 in)	39.62 x 104.90 x 82.55 mm (1.56 x 4.13 x 3.25 in)

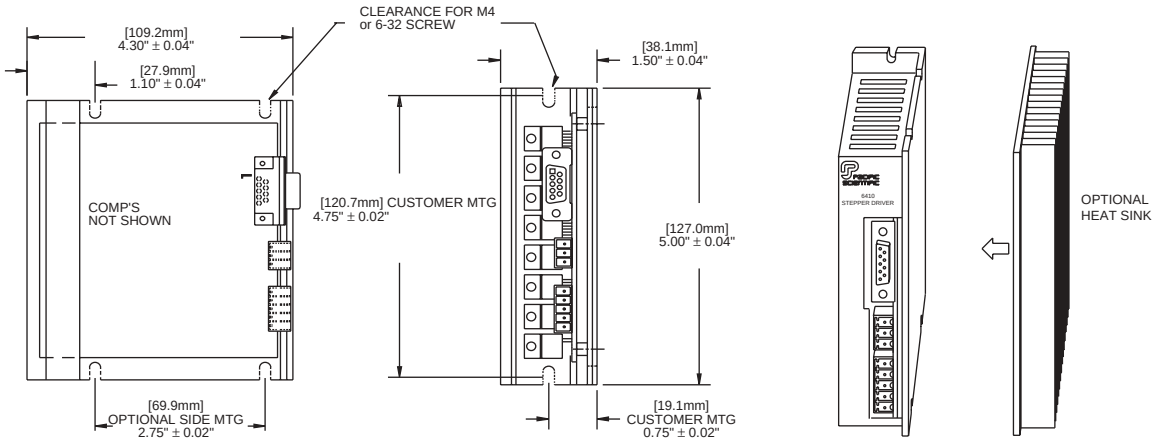
SEE SYSTEM RECOMMENDATIONS AND DATA ON PAGES 86-93.

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6410/6415 MICROSTEPPING DRIVES

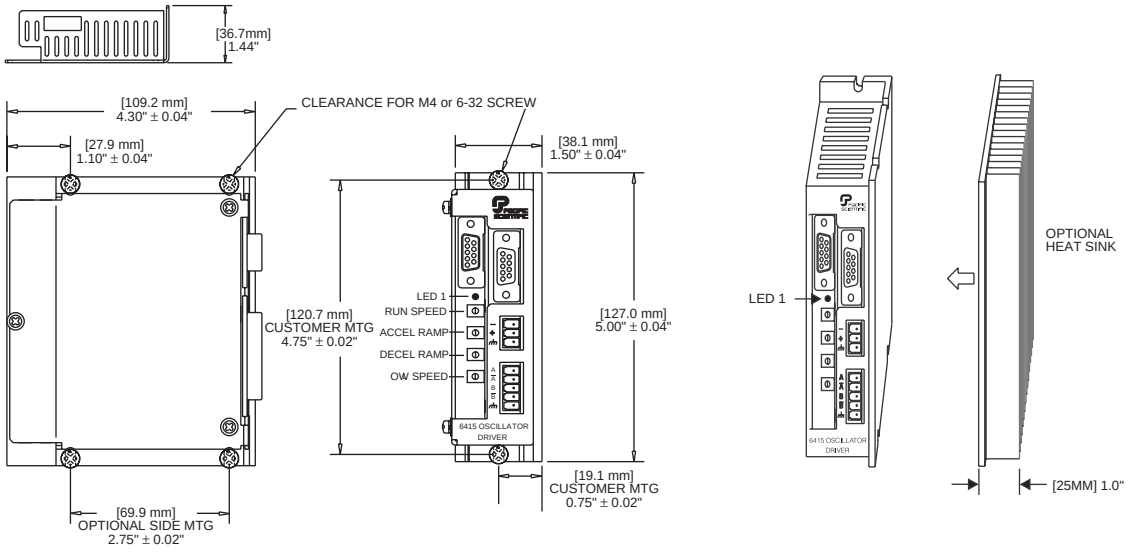
6410

[mm] in



6415

[mm] in



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Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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We're here to make your life easier. How can we help you today?

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