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.

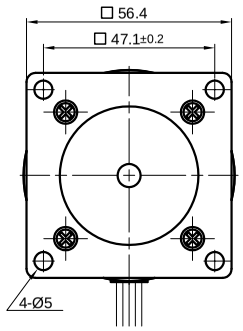
- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

**Expert team | Trust guarantee | 100% satisfaction**

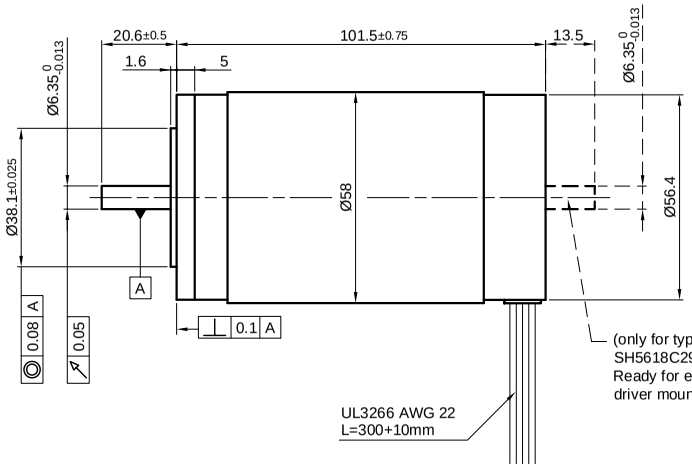
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Find the *Nanotec SH5618C2908-KAGF5* at our website: *Click HERE*

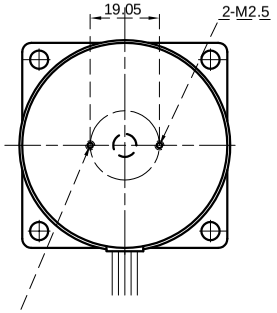
Front view and mounting




Side view

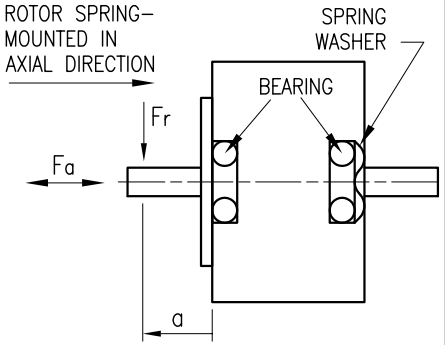



Rear view




| SPECIFICATION \ CONNECTION | UNIPOLAR OR BIPOLAR–1 WINDING | BIPOLAR SERIAL | BIPOLAR PARALLEL |
|---|---|---|---|
| VOLTAGE (VDC) | 3.4 | 4.82 | 2.41 |
| AMPS/PHASE | 2.85 | 2.01 | 4.03 |
| RESISTANCE/PHASE (Ohms)@25°C | 1.2±15% | 2.4±15% | 0.6±15% |
| INDUCTANCE/PHASE (mH) @1KHz | 2.5±20% | 8.4±20% | 2.5±20% |
| HOLDING TORQUE (Nm) [lb–in] | 1.3 [11.51] | 1.84 [16.28] | 1.84 [16.28] |
| DETENT TORQUE (Nm) [lb–in] | 0.039 [0.345] | | |
| STEP ANGLE (°) | 1.8 | | |
| STEP ACCURACY (NON–ACCUM) | ±5% | | |
| ROTOR INERTIA (Kg–m$^2$) [lb–in$^2$] | 3.50x10$^{-5}$ [0.12] | | |
| WEIGHT (Kg) [lb] | 1.4 [3.087] | | |

PERMISSIBLE RADIAL+AXIAL FORCE




| AXIAL–FORCE Fa (N) | Fa=10 | | | |
|---|---|---|---|---|
| DISTANCE a (mm) | 5 | 10 | 15 | 20 |
| RADIAL–FORCE Fr (N) | 130 | 90 | 70 | 52 |

| | AXIAL | RADIAL |
|---|---|---|
| SHAFT PLAY (mm) | 0.075 | 0.025 |
| AT LOAD MAX: (N) | 10 | 5.0 |

TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)

AMBIENT TEMPERATURE –10°~ 50°C [14°F ~ 122°F]

INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)

INSULATION CLASS B 130° [266°F]

DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)

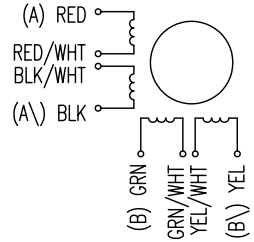
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)

| TYPE OF CONNECTION (EXTERN) | | | | MOTOR | |
|---|---|---|---|---|---|
| UNIPOLAR | BIPOLAR 1WINDING | BIPOLAR SERIAL | BIPOLAR PARALLEL | LEADS | WINDING |
| A | A | A | A | RED | A |
| COM | | | | RED/WHT | |
| | | | | BLK/WHT | A\ |
| A\ | | A\ | A\ | BLK | |
| B | B | B | B | GRN | B |
| COM | | | | GRN/WHT | |
| | | | | YEL/WHT | B\ |
| B\ | | B\ | B\ | YEL | |

FULL STEP 2 PHASE–Ex.,
WHEN FACING MOUNTING END (X)

| STEP | A | B | A\ | B\ | | CCW |
|---|---|---|---|---|---|---|
| 1 | + | + | – | – | ↓ | ↑ |
| 2 | – | + | + | – | | |
| 3 | – | – | + | + | | |
| 4 | + | – | – | + | CW | |

WIRING DIAGRAM




| REV | DESCRIPTION | DATE | APVD |
|---|---|---|---|
| | | | |
| | | | |
| | | | |

NANOTEC:

SH5618C2908

| SCALE FREE | |
|---|---|
| X | ±0.5 |
| 1PL | ±0.2 |
| 2PL | ±0.1 |
| ANGLE | ±30' |

| | | |
|---|---|---|
| APVD | S.K. | 13.07.06 |
| CHKD | | |
| DRN | J.W. | 13.07.06 |
| SIGNATURE | | DATE |

*STEPPING MOTOR*

DWG.NO

SH5618C2908

**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.

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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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