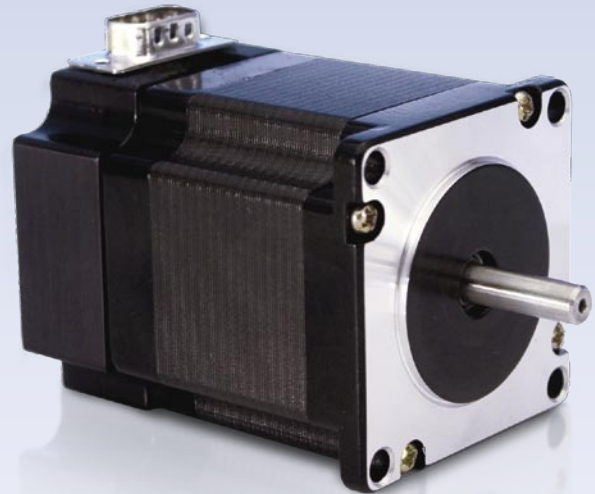


SILVERPAK 23D



■ FEATURES

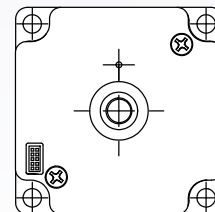
- NEMA Size 23, 2 Phase, 1.8° Bipolar Step Motor w/ Built-In Microstepping Driver
- Up to 294 oz-in of holding torque
- Operates from +15 to 48 VDC
- Phase currents from 0.3 to 3.0 Amps Peak
- Step Resolutions from Half Step to 256x Microstepping
- Four Selectable Damping Modes
- Smooth motion
- Three optically isolated control inputs and one optically isolated control output
- Hold current reduction capability with adjustable current and timeout setting
- 3 stack lengths available

■ SPECIFICATIONS

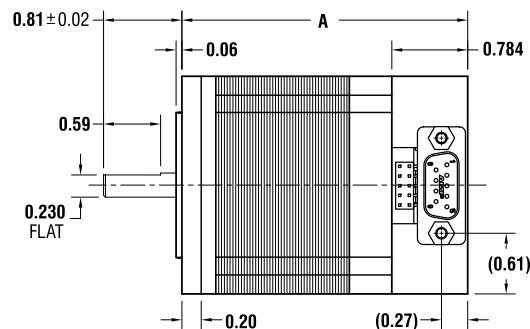
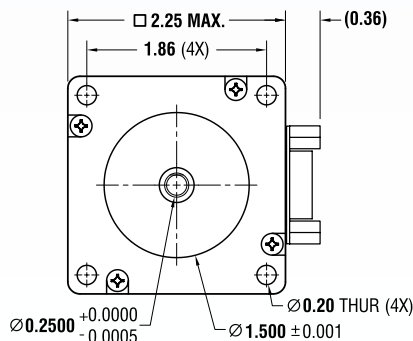
- **INPUT VOLTAGE:**
+15 to 48 VDC
- **DRIVE CURRENT(PER PHASE):**
0.3 to 3.0 Amps Peak
- **OPTICALLY ISOLATED INPUTS:**
Step, Direction, and disable
- **STEP FREQUENCY (MAX):**
2.5 MHz
- **STEPS PER REVOLUTION (1.8° MOTOR):**
400, 800, 1600, 3200, 6400, 12800, 25600, 51200
- **MICROSTEP RESOLUTIONS (1.8° MOTOR):**
2x, 4x, 8x, 16x, 32x, 64x, 128x, 256x
- **POLE DAMPING TECHNOLOGY™:**
See page 4.

■ DIMENSIONS (inches)

- A.** Overall Body Length
DO-5718X: 2.52" (6.40cm)
DO-5718M: 2.96" (7.52cm)
DO-5718L: 3.89" (9.88cm)

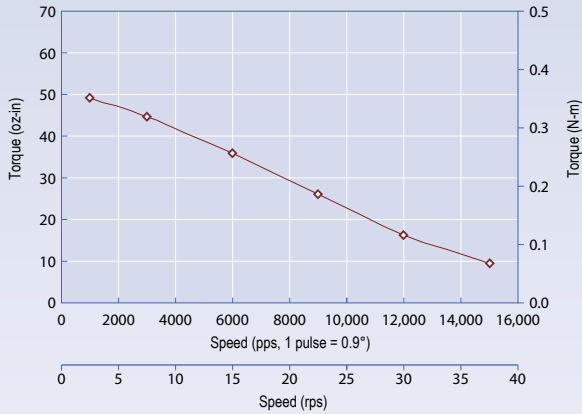


Back View Reference

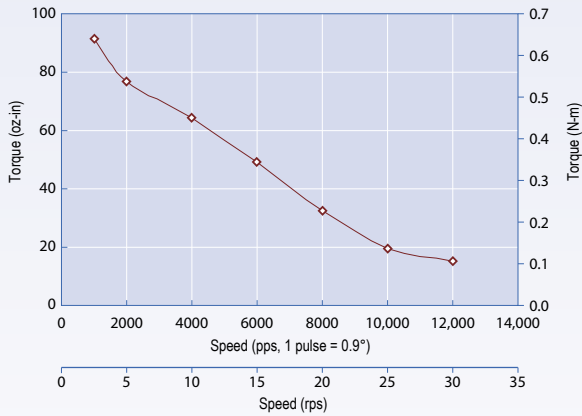


TORQUE CURVES

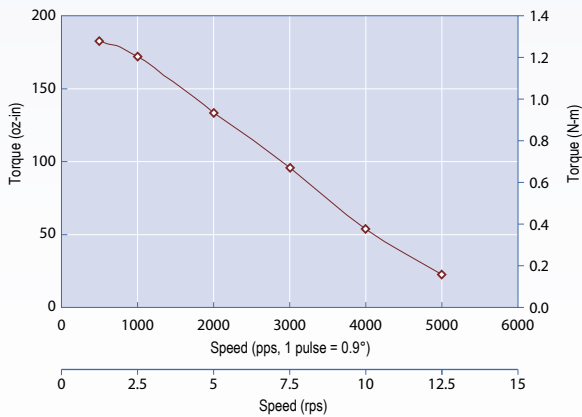
DO-5718X-01P 24vDC, 3 Amps Peak, SilverPak 23D, 1/2 Stepping



DO-5718M-02P 24vDC, 3 Amps Peak, SilverPak 23D, 1/2 Stepping



DO-5718L-01P 24vDC, 3 Amps Peak, SilverPak 23D, 1/2 Stepping



MOTOR SPECIFICATIONS

Model DO-5718X-01P

Holding Torque oz-in (N-m)	100.0 (0.71)
Rotor Inertia oz-in ² (kg-cm ²)	0.7 (0.13)
Weight (Motor + Driver) lbs (gm)	1.2 (0.55)

Model DO-5718M-02P

Holding Torque oz-in (N-m)	182.00 (1.29)
Rotor Inertia oz-in ² (kg-cm ²)	1.50 (0.27)
Weight (Motor + Driver) lbs (gm)	1.65 (0.75)

Model DO-5718L-01P

Holding Torque oz-in (N-m)	294.00 (2.08)
Rotor Inertia oz-in ² (kg-cm ²)	2.60 (0.47)
Weight (Motor + Driver) lbs (gm)	2.35 (1.07)

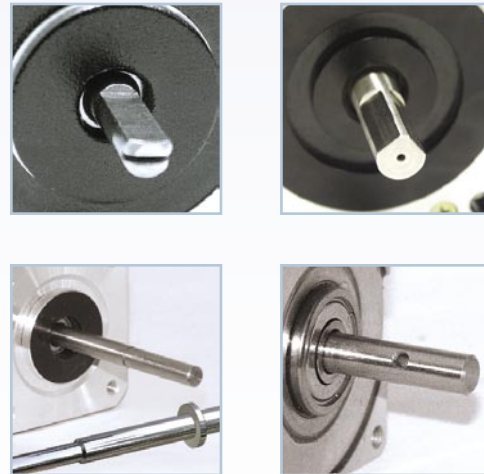
OPTIONAL ENCODER

Optional encoder available with **SilverPak 23DE**

Encoder features:

- Max 1,250 cycles per revolution (CPR)
- Max 5,000 pulses per revolution (PPR) (quadrature)
- 2 channel quadrature TTL squarewave outputs
- Optional index (3rd channel)
- Position correction capabilities

OPTIONAL SHAFT MODIFICATIONS



For more shaft modification options, see page 65.

STEP MOTORS

INTEGRATED MOTORS

CUSTOM DESIGNS

ACCESSORIES

RMS TECHNOLOGIES

TRINAMIC