

5023-122

NEMA 23 Step Motor



Product Features

- 2-phase hybrid step motor
- Standard NEMA 23 dimensions
- 1.8 degree step angle



Description

Product Description:

The 5023-122 two-phase stepper motor is not available for new applications. Please consider the [HT23-597](#) as a replacement. To view all step motors go to the [browse stepper motors](#) page. For additional assistance selecting a step motor [contact us](#) or call 1-800-525-1609.

Specifications

Part Number:	5023-122
Frame Size:	NEMA 23
Motor Type:	Standard torque
Motor Length:	1.98 inches
Number of Lead Wires:	8
Lead Wire Configuration:	flying leads, no connector
Lead Wire/Cable Length:	18 inches
Lead Wire Gauge:	22 AWG
Unipolar Holding Torque:	69.4 oz-in
Bipolar Holding Torque:	98.2 oz-in
Step Angle:	1.8 deg
Bipolar Series Current:	1.0 A/phase
Bipolar Series Resistance:	4.96 Ohms/phase
Bipolar Series Inductance:	17.2 mH/phase
Bipolar Parallel Current:	2.0 A/phase
Bipolar Parallel Resistance:	1.24 Ohms/phase
Bipolar Parallel Inductance:	4.3 mH/phase
Unipolar Current:	1.42 A/phase
Unipolar Resistance:	2.48 Ohms/phase
Unipolar Inductance:	4.3 mH/phase
Rotor Inertia:	1.42E-03 oz-in-sec ²
Integral Gearhead:	No
Weight:	1.2 lbs
Storage Temperature:	-40 to 70 °C
Operating Temperature:	-20 to 50 °C
Insulation Class:	Class B (130 °C)
Shaft End Cont.	2.004 inches T.I.D.

Shaft Run Out:	0.001 inch I.I.R. max
Radial Play:	0.001 inch max w/ 1.0 lb load
End Play:	0.001 inch max w/ 9.0 lb load
Perpendicularity:	0.003 inches
Concentricity:	0.002 inches

Downloads

Family Datasheet:	 StepMotorWiring-8-lead-striped.pdf
Datasheet:	
2D Drawing:	 5023-122 revC.pdf
3D Drawing:	 231851.igs

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Applied Motion:](#)

[5023-122](#)