

4023-830

NEMA 23 Step Motor



Product Features

- *2-phase hybrid step motor*
- *Standard NEMA 23 dimensions*



Description

Product Description:



The 4023-830 two-phase stepper motor is not available for new applications. Please consider the [HT23-600](#) 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:	4023-830
Frame Size:	NEMA 23
Motor Type:	Standard torque
Part Number w/Double Shaft:	4023-830D
Motor Length:	2.96 inches
Number of Lead Wires:	6
Lead Wire Configuration:	flying leads, no connector
Lead Wire/Cable Length:	18 inches inches
Lead Wire Gauge:	22 AWG
Unipolar Holding Torque:	127 oz-in
Bipolar Holding Torque:	179 oz-in
Step Angle:	1.8 deg
Bipolar Series Current:	1.3 A/phase
Bipolar Series Resistance:	5.2 Ohms/phase
Bipolar Series Inductance:	23.6 mH/phase
Unipolar Current:	1.8 A/phase
Unipolar Resistance:	2.6 Ohms/phase
Unipolar Inductance:	5.9 mH/phase
Rotor Inertia:	3.31E-03 oz-in-sec ²
Integral Gearhead:	No
Weight:	2.2 lbs
Storage Temperature:	-40 to 70 °C
Operating Temperature:	-10 to 40 °C
Insulation Class:	Class B (130 °C)
Maximum Radial Load:	15 lbs
Maximum Thrust Load:	25 lbs
Shaft Run Out:	0.001 inch T.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-6-lead.pdf
Datasheet:	
2D Drawing:	 4023-830 rev_F.pdf
3D Drawing:	 231876.igs

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