Applied Motion Products

Product Datasheet

HT11-013

NEMA 11 High Torque Step Motor

Product **Features**

- *2-phase Hybrid Step Motor*
- *High Torque Design*
- *Standard NEMA 11 Dimensions*

Description

The HT11-013 two-phase stepper motor is suitable for a wide range of motion control applications.

Specifications

Part Number	HT11-013
Frame Size	NEMA 11
Motor Type	High torque
Part Number w/Double Shaft	NA
Part Number w/Encoder	NA
Motor Length	1.87 inches
Number of Lead Wires	4
Lead Wire Configuration	flying leads, no connector
Lead Wire/Cable Length	7.9 inches
Lead Wire Gauge	26 AWG
Unipolar Holding Torque	NA
Bipolar Holding Torque	15.3 oz-in
Step Angle	1.8 deg
Bipolar Series Current	NA
Bipolar Series Resistance	NA
Bipolar Series Inductance	NA

Bipolar Parallel Current	1.0 A/phase
Bipolar Parallel Resistance	2.0 Ohms/phase
Bipolar Parallel Inductance	2.6 mH/phase
Unipolar Current	NA
Unipolar Resistance	NA
Unipolar Inductance	NA
Rotor Inertia	2.55E-04 oz-in-sec^2
Integral Gearhead	No
Weight	NA
Storage Temperature	-40 to 70 °C
Operating Temperature	-20 to 40 °C
Insulation Class	Class B (130 ºC)
Maximum Radial Load	NA
Maximum Thrust Load	NA
Shaft Run Out	0.001 inch T.I.R. max
Radial Play	0.001 inch max w/ 1.1 lb load
End Play	0.003 inch max w/ 2.2 lb load
Perpendicularity	0.002 inches
Concentricity	0.002 inches

Downloads

Datasheet	StepMotorWiring-4-lead.pdf
2D Drawing	HT11-013 rev F.pdf
3D Drawing	11HT013D.igs
Speed-Torque Curves	ST_speed-torque.pdf STR2_speed-torque.pdf
Agency Approvals	There are no related agency approval documents at this time.
Application Notes	There are currently no Application Notes available for this product.