

HT11-012

NEMA 11 High Torque Step Motor



Product Features

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

Description






The HT11-012 two-phase stepper motor is suitable for a wide range of motion control applications.

Specifications

Part Number	HT11-012
Frame Size	NEMA 11
Motor Type	High torque
Part Number w/Double Shaft	NA
Part Number w/Encoder	NA
Motor Length	1.32 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	7.4 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	1.4 Ohms/phase
Bipolar Parallel Inductance	1.4 mH/phase
Unipolar Current	NA
Unipolar Resistance	NA
Unipolar Inductance	NA
Rotor Inertia	1.13E-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 °C)
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	 HT11-012_revG.pdf
3D Drawing	 11HT012D.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.