

HT11-012

NEMA 11 High Torque Step Motor



Product Features

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

Description

Product 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:	HT11-012D
Motor Length:	1.32 inches
Number of Lead Wires:	4
Lead Wire Configuration:	flying leads, no connector
Lead Wire/Cable Length:	7.9 inches inches
Lead Wire Gauge:	26 AWG
Bipolar Holding Torque:	7.4 oz-in
Step Angle:	1.8 deg
Bipolar Parallel Current:	1.0 A/phase
Bipolar Parallel Resistance:	1.4 Ohms/phase
Bipolar Parallel Inductance:	1.4 mH/phase
Rotor Inertia:	1.13E-04 oz-in-sec ²
Integral Gearhead:	No
Storage Temperature:	-40 to 70 °C
Operating Temperature:	-20 to 40 °C
Insulation Class:	Class B (130 °C)
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
Product PDF - S3 Link:	http://s3.amazonaws.com/applied-motion-pdf/HT11-012.pdf
2D Drawing:	 HT11-012_revG.pdf
3D Drawing:	 11HT012D.igs
Speed-Torque Curves:	 ST_speed-torque.pdf
	 STR2_speed-torque.pdf