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HT17-075

Part Number:
HT17-075
Product Image:

Sub Title:
NEMA 17 High Torque Step Motor
Series:
NEMA 17 Step Motors
Agency Approvals:
RoHS

- 2-phase hybrid step motor
- High torque design
- Standard NEMA 17 dimensions
- Series or parallel wiring

Description

Product Description:

The HT17-075 two-phase stepper motor is suitable for a wide range of motion control applications. Terminated with 8 motor leads, the motor can be connected in a few different ways, including bipolar series and bipolar parallel.

Specifications

Frame Size:
NEMA 17
Motor Type:
High torque
Part Number w/Encoder:
HT17-075D-WAA
Motor Length:
1.85
Motor Length Selector:
1.0-1.9
Number of Lead Wires:
8
Lead Wire Configuration:
flying leads, no connector

Lead Wire/Cable Length:
12 inches
Lead Wire Gauge:
26
Unipolar Holding Torque:
44.4
Bipolar Holding Torque:
62.8
Step Angle:
1.8
Bipolar Series Current:
0.85
Bipolar Series Resistance:
6.6
Bipolar Series Inductance:
12.0
Bipolar Parallel Current:
1.70
Bipolar Parallel Resistance:
1.7
Bipolar Parallel Inductance:
3.0
Unipolar Current:
1.20
Unipolar Resistance:
3.3
Unipolar Inductance:
3.0
Rotor Inertia:
9.63E-04
Integral Gearhead:
No
Weight:
0.73
Storage Temperature:
-40 to 70
Operating Temperature:
-10 to 40
Insulation Class:
Class B (130 ºC)
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:
0.003
Concentricity:
0.002

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