

Features

- High Torque Stepper Motors
- Hybrid technologies
- Permanent magnet

RS PRO Stepper Motors

RS Stock No.: 535-0372



RS PRO Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

High Torque Hybrid Stepper Motors are motion systems allowing to have a high positioning precision. With their high power already at low speed, their stall torque and the possibility to divide the steps in micro steps, stepper motors can provide direct and precise motions in a small volume.

General Specifications

Temperature Rise	80°C max. (rated current, 2 phase on)
Ambient Temperature	-20°C to +50°C
Shaft Radial Play	0.02 max. (450 g-load)
Shaft Axial Play	0.08 max. (450 g-load)
Step Angle	0.9

Connection

Lead N°	Colour	Gauge	Function
1	Black	UL1430 AWG26	Phase A
2	Green	UL1430 AWG26	Phase A-
3	Red	UL1430 AWG26	Phase B
4	Blue	UL1430 AWG26	Phase B-
Unipolar Motor			
5	Yellow	UL1430 AWG26	Com Phase A
6	White	UL1430 AWG26	Com Phase B

Electrical Specifications

Resistance Accuracy	± 10%
Inductance Accuracy	± 20%
Insulation Resistance	100 M Ω min., 500 Vdc
Dielectric Strength	500 Vac for one minute
Step Angle Accuracy (Full Step, No Load)	±5%

Rated Voltage	2.8V
Current/Phase	1.33A
Resistance/Phase	2.1Ω
Inductance/Phase	4.2MH
Detent Torque	0.02Nm
Holding Torque	0.22Nm
Rotor Inertia	35G-CM ²
Weight	0.22Kg
Number of Leads	4 N°.