Nema 17

1.8° Hybrid Stepper Motor

Design
Main Feature Maximum efficiency/optimal power consumption Low noise and vibrations design Low heat generation High torque at low speed High Accuracy

Features
Main Feature Maximum efficiency/optimal power consumption Low noise and vibrations design Low heat generation High torque at low speed High Accuracy

Application
3D Printer, CNC Machine, HealthCare, Diamond Machines etc

Options
Main Feature Maximum efficiency/optimal power consumption Low noise and vibrations design Low heat generation High torque at low speed High Accuracy

Standard Data

Parameter	Value	Unit
Motor Type	Hybrid Stepper Motor	
Electrical Enclosure	40	IP
Mounting	4 X M3 X 0.5 Tapping X 2.0mm deep max	
Connection	Fly out Flexible leads 22AWG, 200mm length, ends stripped 10mm/Connector (on request)	
No. of steps/rotation	200	
Step Angle Accuracy	±5%(full step,no load)	
Insulation Class	A	
Temperature Rise	80°C Max(rated current,2 phase on)	°C
Ambient Temperature	-20°C~+50°C	°C
Shaft Radial Play	0.02 Max(450 g-load)	mm
Shaft Axial Play	0.08 Max(450 g-load)	mm

Technical Data

Parameter	Value	Unit
Step Angle	1.8	°
Operating Voltage	12-24	V
Winding Type	Bipolar	
Current/ Phase	1.3	A
Resistance/ Phase	2.4	Ω
Inductance/ Phase	2.8	mH
Detent Torque	1.6	Ncm
Holding Torque	28	Ncm
Rotor Inertia	34	gcm2
Weight	220	g
Length	34	mm
No of Leads	4	