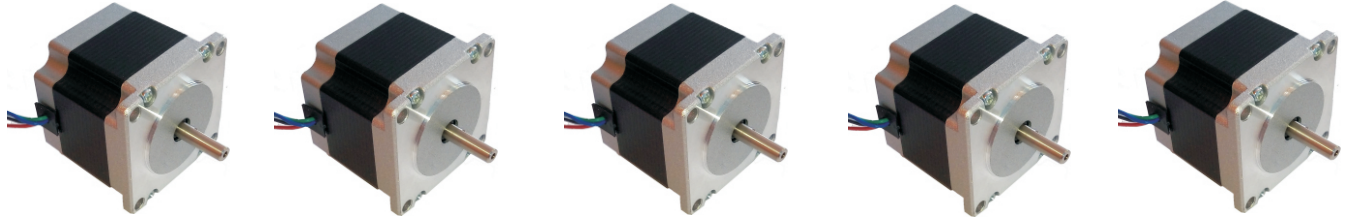




MICROSTEPPING BIPOLAR STEPEPR MOTOR DRIVERS FOR MOTION CONTROLLING AND ROBOTICS



GENERAL SPECIFICATION

Stepper Motor Model	EMM 57S51-635
Step Angle	1.8 Degrees per step
Optimum Motor Temperature	80 Degrees C Maximum
Operating Ambient Temperature	- 20'C TO +50' C
Storage Temperature	- 20'C TO +60'C
Operating Ambient Humidity	90% RH,40' Max (No Condensation)
Insulation Resistance	100M Ohm Min,500V DC Megger at normal Room Temperature and Humidity
Dielectric Strength	At normal room temperature and humidity motor can withstand 1500V AC applied between winding and motor body for 1 minute
Shaft Radial Play	0.02mm Maximum (450Gms Load)
Shaft Axial Play	0.08mm Maximum(450 Gms Load)
Maximum Radial Force	75N (20mm From the Flange)
Maximum Axial Force	15 N-M
Thermal Class	CLASS B(+130 Degree C)
Protection Grade	IP 40
Mounting Direction	Can be mounted in both Horizontal And vertical Direction

ELECTRICAL SPECIFICATION

No of Phase	2 Phase
Stepping Angle	1.8 Degrees per step
Voltage Per Phase	3.3V
Current Per Phase	1.0 Amps
Resistance Per Phase	6 Ohms
Inductance Per Phase	28mH
No Of Leads	4 Wire

MECHANICAL SPECIFICATION

Holding Torque	11 Kg-Cm
Detent Torque	350 Gm-Cm
Rotor Inertia	280 Gm-Cm
Motor Mass	0.59 Kg



EM MOTION MODULES

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