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Product Name :

Electric Motor

Product Code :

SLE/PHY/73



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Description :

Electric Motor (Product Code: SLE/PHY/73) is a miniature DC motor used to drive models, robotics projects and educational demonstration equipment in school and college labs. It runs on 1.5 to 4.5 V DC, has a 20 mm body with two flat sides for mounting on a PCB, and uses soldertag terminals. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala,among its school physics lab equipment in India, for STEM projects, science models and physics practicals.

Specifications

Parameter	Detail
Type	Miniature DC motor
Operating voltage	1.5 to 4.5 V DC
Body diameter	20 mm
Width across flats	15 mm
Shaft length	9 mm
Shaft diameter	2 mm
Weight	Approx. 17 g
Termination	Solder tags
Rotation	Counter-clockwise when viewed from the shaft end
Mounting	Two flat sides, suited to mounting on a PCB
Product code	SLE/PHY/73
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Miniature Electric Motor Used For?

Connected to one, two or three 1.5 V cells, the motor shows electrical energy being turned into movement, and students can hear and see its speed rise as cells are added. In science model kit school project work it spins propellers, fan blades and wheels for model cars, windmills and simple robots, and it is a common part in STEM science kit builds.

Swapping the two supply connections reverses the rotation, a quick way to show that current direction affects motion. Solder leads to the tags quickly so the terminals do not overheat, or use crocodile leads for temporary circuits. The 2 mm shaft takes small push-fit pulleys and propellers, and the flat sides help it sit square on a board or panel.

What to Specify When Ordering

- Number of motors needed for the class or project batch
- Whether you prefer a loose motor or a mounted unit such as the Mini Motor Unit
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