

AIRPAX

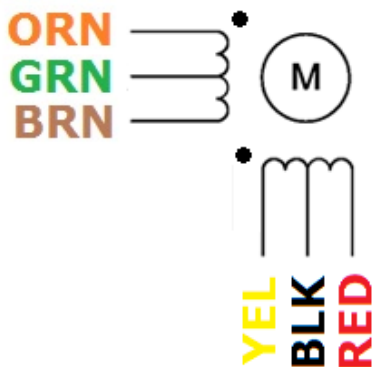
SK 82701 S1 Unipolar 4-Phase Stepper Motor



SPECS

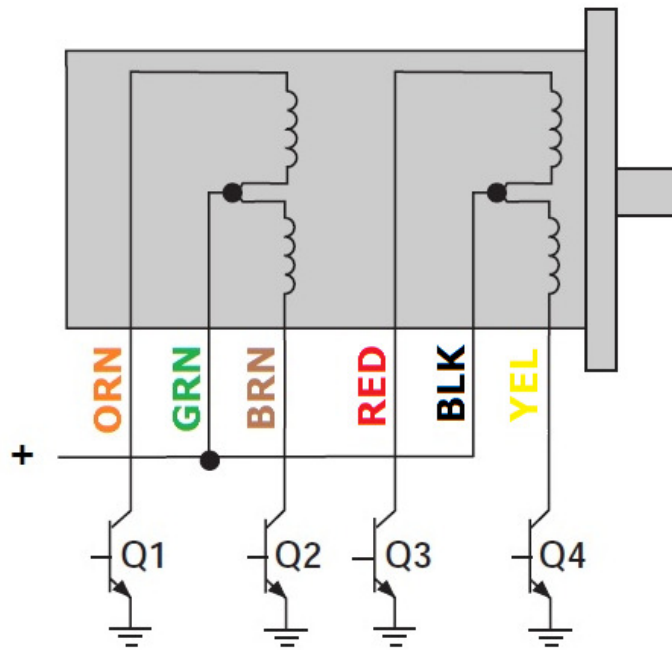
Phases: 4
7.5° / Step
48 Step / Rev
Nominal voltage: 5 V
Holding torque: 10.8 N·cm (15.3 ozf·in)
Coil Resistance: 6.2 Ω typical
Inductance: 7 mH typical
Body Diameter: 5.8 cm (2.28") approx.
Total length: 5.5 cm approx.
Shaft diameter: 6.35 mm (1/4")
Connection cables length: 14 cm
Diamond-shaped flange with two mounting holes
Heat sink

ELECTRIC DIAGRAM



Phase order: ORN, YEL, BRN, RED

SCHEMATIC SWITCHING SEQUENCES



Normal
4-Step Sequence

Step	Q ₁	Q ₂	Q ₃	Q ₄
1	ON	OFF	ON	OFF
2	ON	OFF	OFF	ON
3	OFF	ON	OFF	ON
4	OFF	ON	ON	OFF
1	ON	OFF	ON	OFF

1/2 Step
8-Step Sequence

1	ON	OFF	ON	OFF
2	ON	OFF	OFF	OFF
3	ON	OFF	OFF	ON
4	OFF	OFF	OFF	ON
5	OFF	ON	OFF	ON
6	OFF	ON	OFF	OFF
7	OFF	ON	ON	OFF
8	OFF	OFF	ON	OFF
1	ON	OFF	ON	OFF

Wave Drive
4-Step Sequence

1	ON	OFF	OFF	OFF
2	OFF	OFF	OFF	ON
3	OFF	ON	OFF	OFF
4	OFF	OFF	ON	OFF
1	ON	OFF	OFF	OFF

DIMENSIONS WITHOUT HEAT SINK

mm/inches

