

42 Stepper Motor with Planetary Reducer 1:5.18



Basic Parameters:

Two-phase four-wire						
Current	Voltage	Torque	Line order	Shaft diameter	Axis length	Body height
1.8A	24V	0.51N.m	ABCD	7mm	15mm	80mm

Technical Parameters

Characteristic	Specification	Characteristic	Specification
Phase	2	Step angle	$1.8^{\circ} \pm 5\%$
Rated voltage	3V	Rated current	1A
Resistance (20°C)	$1.0 \times (1 \pm 15\%)$	Inductance (1KHz)	$3.2 \times (1 \pm 20\%)$ mH
Holding torque	≥ 510 mN.m	Positioning torque	21 mN.m
Steering (shaft extension)	A-AB-B-CW	Maximum no-load starting frequency	≥ 1000 PPS
Maximum no-load operating frequency	≥ 1500 PPS	Insulation resistance	≥ 10 M Ω (DC 500V)
Warm rise	≤ 80 K	Insulation grade	B level
Noise	≤ 45 dB	Lifespan	5000 hours
Insulation withstand voltage	AC600V/1mA/1S	Insulation resistance	≥ 10 M Ω (DC 500V)
Applicable ambient temperature	-24°C ~ 50°C	Applicable environmental humidity	90% Max.
Moment of inertia	82 g.cm ²	Weight	300g

Dimensions Diagram:

