

PRODUCT DATASHEET

2-Phase Bipolar Stepper Motor | Model: OK42FD34-1334A-25Y

ELECTRICAL SPECIFICATIONS

Rated Voltage	3.6 V DC
Rated Current	1.33 A/Phase
Step Angle	1.8° ±5%
Number of Phases	2
Phase Resistance	2.7 Ω ±10% (at 20°C)
Phase Inductance	4.2 mH ±20%
Holding Torque	0.32 N·m
Insulation Class	Class B
Insulation Resistance	≥100 MΩ (500 V DC)
Operating Temperature	-20°C to +50°C
Operating Humidity	15%-95% RH
Recommended Driver Supply Voltage	12-36 V DC
Recommended Driver	OK2D4020A

WIRING REFERENCE

Phase A: Black (A+) / Green (A-)

Phase B: Red (B+) / Blue (B-)

MECHANICAL SPECIFICATIONS

Model	OK42FD34-1334A-25Y
Frame Size	42 × 42 mm
Motor Body Length	34 ±1 mm
Shaft Diameter	2.98 mm (Tip) / 5 mm (Base)
Shaft Length	25 ±0.5 mm
Shaft Tip Length	14 mm
Shaft Type	Stepped Round Shaft
Mounting Hole Spacing	31 ±0.25 mm
Mounting Holes	4 (Thread Size Not Specified)
Pilot Diameter	22 mm (0/-0.05 mm)
Pilot Height	2 mm
Motor Weight	Approx. 0.2 kg
Number of Wires	4
Cable Length	300 mm
Wire Specification	UL1007 26 AWG
Connector Type	TJC3-4Y
Shaft Customization	Available

All values reproduced from the supplied product reference. Confirm critical dimensions before manufacturing.

