

FIT0708 18° Micro Stepper Motor

FIT0708

Product Overview

01-13-2023

For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

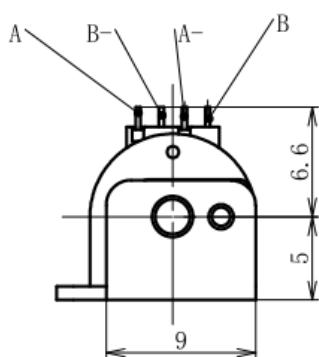
DFRobot FIT0708 18° Micro Stepper Motor is a 10mm, 2-phase 4-wire stepper motor that works directly with main-controllers like Arduino and ESP32. This stepper motor operates at -10°C to 60°C operating temperature range. The FIT0708 stepper motor comes with a metal slider on the motor's slide rod. This stepper motor is applicable for automatic door-lock, camera propeller, and DIY smart home.



Features

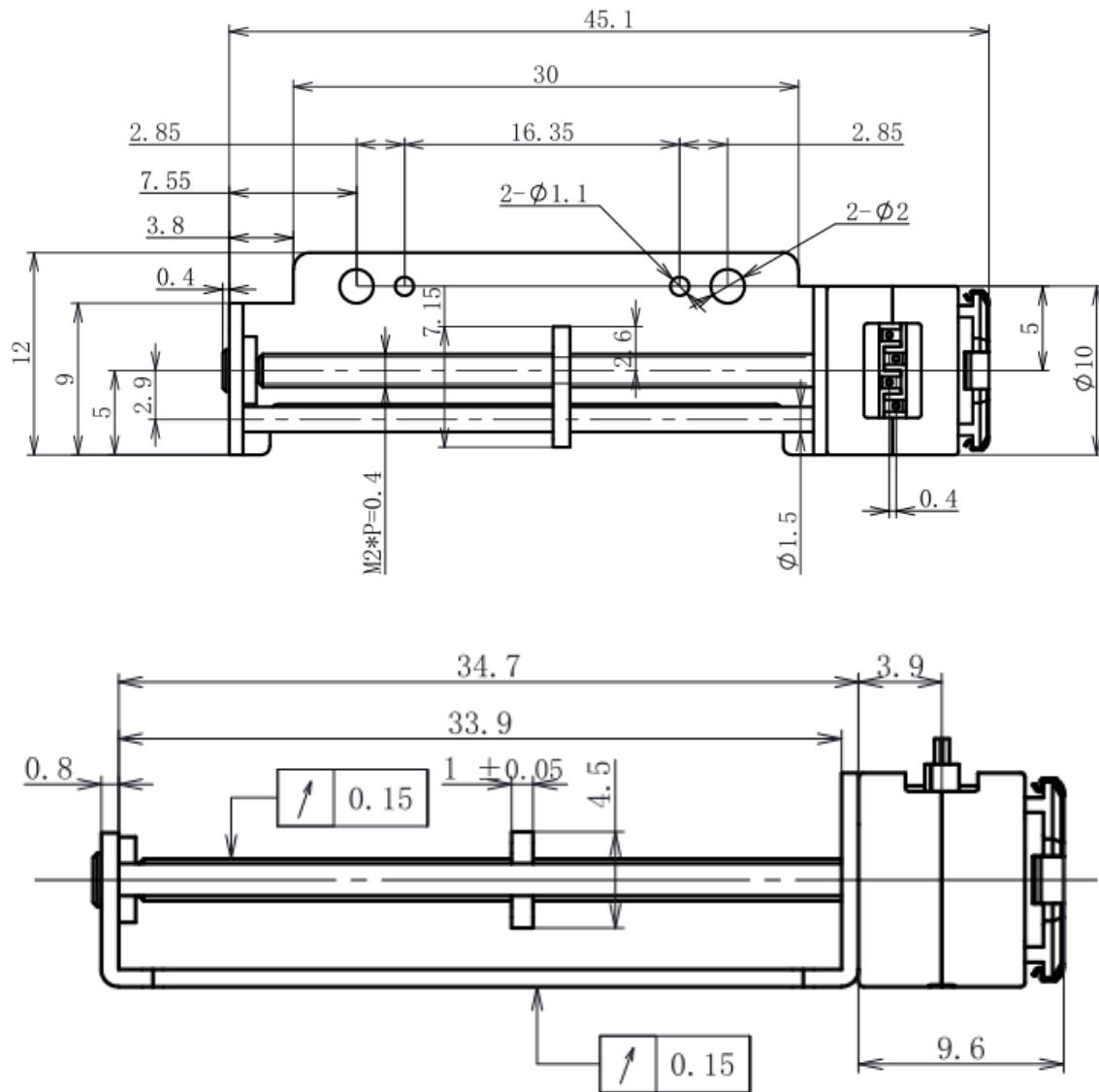
- 3.3V to 5V DC driving voltage range
- $20\Omega \pm 10\%$ coil resistance
- 18° step angle
- Bipolar driving method
- Maximum auto-start frequency of 1500PPS min
- E CLASS insulation grade
- 2-2 phase excitation
- 100V AC, 1S withstand voltage
- 1MΩ (DC 100V) insulation resistance
- 80g maximum thrust

Pin Out



SEQUENCE OF EXCITATION				
	CCW	↔	CW	
STEP \ PHASE	1	2	3	4
A	H	H	L	L
A-	L	L	H	H
B	L	H	H	L
B-	H	L	L	H

Dimensions in mm



Mouser Part Number

[View Part](#)

To learn more, visit <https://www.mouser.com/new/dfrobot/dfrobot-fit0708-micro-stepper-motor/>