

# Pancake Nema 11 Stepper Motor Bipolar 1.8 Degree 1Ncm (1.4164oz.in) 0.5A 28x28x9.5mm 4 Wires

This bipolar pancake Nema 11 stepper motor with step angle 1.8deg and size 28x28x9.5 mm. It has 4 wires, each phase draws 0.5 A, with holding torque 10 Ncm (14.164 oz.in).

## Electrical Specification

Manufacturer Part Number: 11HS04-0504S

Motor Type: Bipolar Stepper

Step Angle: 1.8 deg

Holding Torque: 1Ncm (1.4164oz.in)

Rated Current/phase: 0.5 A

Phase Resistance: 4 ohms

Inductance: 0.8 mH  $\pm$  20%(1KHz)

## Physical Specification

Frame Size: 28 x 28 mm

Body Length: 9.5 mm

Shaft Diameter:  $\Phi$  4 mm

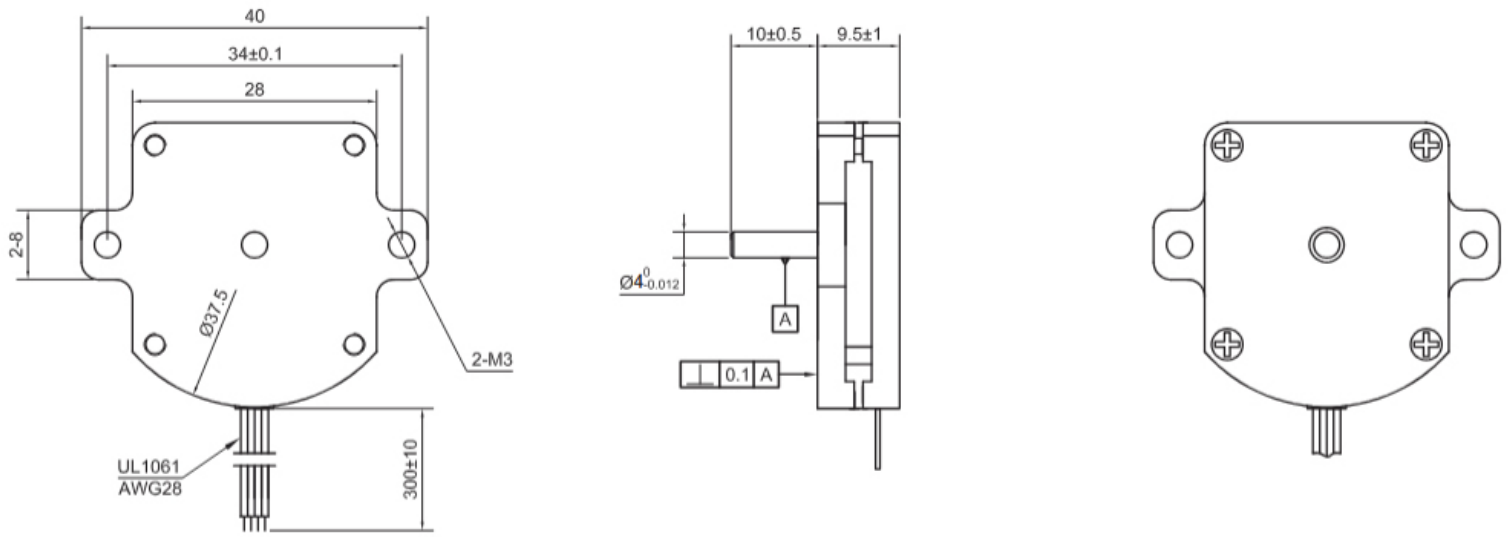
Shaft Length: 10 mm

Number of Leads: 4

Lead Length: 300 mm

Weight: 28 g

# Size Chart:



TYPE OF CONNECTION (EXTERN)		MOTOR	
PIN NO	BIPOLAR	LEADS	WINDING
1	A —	RED	
2	A\ —	BLU	
3	B —	ORG	
4	B\ —	YEL	

FULL STEP 2 PHASE-Ex. ,  
WHEN FACING MOUNTING END (X)

STEP	A	B	A\	B\		
1	+	+	-	-	↓	CCW
2	-	+	+	-		
3	-	-	+	+	↑	CW
4	+	-	-	+		

