

Gearbox  
Gear Ratio: 5.18, 1 Stage  
Efficiency: 90%  
Output Torque: 2.2Nm REF.  
Total Weight: 0.4Kg REF.

Connector: JST XHP-4,  
or Equivalent.

UL1007  
AWG24

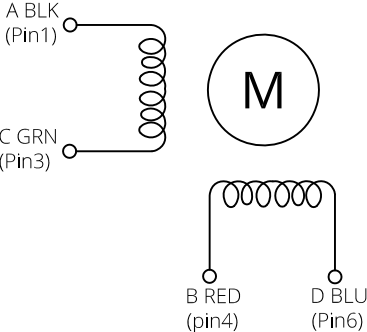
TWIST 4 WIRES  
TOGETHER 拧麻花

PH-6




1000±30

Label by laser engrave.

Diagram



Item	Specification	Item	Specification
Phase Number	2	Step Angle	1.8° ± 5%
Rated Voltage	DC 6.5V / Phase	Rated Current	DC 1.0A / Phase
Phase Resistance	6.5x(1±15%) Ω	Phase Inductance	13x(1±20%) mH
Holding Torque	4.8 Kg-cm (0.48Nm) MIN	Detent Torque	15 mN-m REF.
Rotate Direction	A-AB-BA CW	Insulate Resistance	100Mohm(DC500V)
HI-POT	AC600V/1mA/1S	Insulation Class	Class B 130°C
Rotor Inertia	63 g-cm² REF	Weight	0.28 Kg REF

A	----	NEW RELEASE			Xu SD	J.B.	6/29/20
REV.	ECN NO.	DESCRIPTION			MADE BY	APPR. BY	DATE
		VIEW		LDO Motors Co., Ltd.			
		 		Part NO.			
		SCALE		NEMA17 Planetary Geared Stepper LDO-42STH40-1004ACPG5			
		NA					
DRAWN BY	CHECKED BY	APPR. BY	DATE	Manufacture NO		SHEET NO.	
Xu SD	J.B.	J.B.	6/29/20			1/1	