



Planetary Gearbox:
Gear Ratio: 13.7/1
Efficiency: 80%
Output Torque: 8.9Nm REF.
Total Weight: 0.65Kg REF

Item	Specification	Item	Specification
Phase Number	2	Step Angle	1.8° ± 5%
Rated Voltage	DC 3.36V / Phase	Rated Current	DC 1.2A / Phase
Phase Resistance	2.8x(1±10%) Ω	Phase Inductance	7x(1±20%) mH
Holding Torque	0.65 N-m	Detent Torque	28 mN-m REF.
Rotate Direction	A-AB-BA CW	Insulate Resistance	100Mohm(DC500V)
No-load Running PPS	2500PPS MIN	No-load Start PPS	2500PPS MIN
HI-POT	AC600V/1mA/1S	Insulation Class	Class B 130°C
Rotor Inertia	102 g-cm²	Weight	0.5 Kg REF

A		New Release		Xu SD	J.B.	7/29/20
REV.	ECN NO.	DESCRIPTION		MADE BY	APPR. BY	DATE
		VIEW		LDO Motors Co., Ltd.		
		SCALE		Part NO.		
		NA		NEMA17 Planetary Geared Stepper		
				LDO-42STH60-1204ACPG13.7		
DRAWN BY	CHECKED BY	APPR. BY	DATE	FACTORY CODE	SHEET NO.	
Xu SD	J.B.	J.B.	7/29/20		1/1	