



Item	Specification	Item	Specification
Phase Number	2	Step Angle	1.8° ± 5%
Rated Voltage	DC 3.0V / Phase	Rated Current	DC 2.5A / Phase
Phase Resistance	1.2x(1±20%) Ω	Phase Inductance	1.5x(1±20%) mH
Holding Torque	5.5Kgf-cm (55N-cm)	Detent Torque	20 mN-m REF.
Rotate Direction	A-AB-B CW	Insulate Resistance	100Mohm(DC500V)
HI-POT	AC600V/1mA/1S	Insulation Class	Class B 130°C
Rotor Inertia	84.5 g-cm ² REF	Weight	0.35 Kg REF

REV.	ECN NO.	DESCRIPTION	MADE BY	APPR. BY	DATE
A	----	NEW RELEASE	Xu SD	J.B.	10/21/22

	VIEW		LDO Motors Co., Ltd.		
	SCALE		Part NO. 1.8° NEMA17 Stepper Motor LDO-42STH48-2504AC(S46)(TIM)		
DRAWN BY	CHECKED BY	APPR. BY	DATE	FACTORY CODE	SHEET NO.
Xu SD	J.B.	J.B.	10/21/22		1/1