



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 H 180°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.	11/22/23

	VIEW		LDO Motors Co., Ltd. Part NO. 1.8° NEMA17 Stepper Motor HT LDO-42STH48-2504AH(S37)		
	SCALE				NA
DRAWN BY Xu SD	CHECKED BY J.B.	APPR. BY J.B.	DATE 12/6/22	FACTORY CODE	SHEET NO. 1/1