



Items	Specification	Items	Specification
Phase Number	2	Step Angle	1.8° ± 5%
Rated Voltage	DC 3.0V / Phase	Rated Current	DC 3.0A / Phase
Phase Resistance	1.0x(1±20%) Ω	Phase Inductance	1.6x(1±20%) mH
Holding Torque	800mN·m MIN	Detent Torque	25 mN·m REF.
Rotation Direction	A-AB-B CW	Insulation Resistance	100Mohm(DC500V)
HI-POT	AC600V/1mA/1S	Insulation Class	Class H 180°C
Rotor Inertia	100 g·cm ²	Weight	0.5 Kg REF

A		NEW RELEASE		Xu SD	J.B.	11/07/24
REV.	ECN NO.	DESCRIPTION		MADE BY	APPR. BY	DATE
		VIEW	LDO MOTORS a company of LDO MOTION			
		SCALE	Part NO. 1.8° NEMA17 Stepper HT LDO-42STH60-3004AH(S8-55)			
DRAWN BY	CHECKED BY	APPR. BY	DATE	MANUFACTURE CODE	SHEET NO.	
Xu SD	J.B.	J.B.	12/12/23		1/1	