



# Planetary Geared Stepper Motor

## LS-28PA/28BYG

Housing Material: Metal  
 Backlash at No Load:  $\leq 1.5^\circ$   
 Bearing at Output: Ball or Sleeve  
 Permissible Overhung Load:  $\leq 2.5\text{kg}$   
 Permissible Thrust Load:  $\leq 0.5\text{kg}$   
 Max.Radial Play:  $\leq 0.05\text{mm}$   
 Max.Thrust Play:  $\leq 0.3\text{mm}$



## Motor Data

Model	Step Angle	Length (Ld)	Phase Voltage	Phase Current	Phase Resistance	Phase Inductance	Holding Torque	Lead Wire
		mm	V	A	$\Omega$	mH	g.cm	
28BYGH32-067-4A/B	1.8	32	3.51	0.67	5.6	3.4	600	4
28BYGH32-095-6A/B	1.8	32	2.66	0.95	2.8	0.8	430	6
28BYGH45-067-4A/B	1.8	45	4.56	0.67	6.8	4.9	950	4
28BYGH45-095-6A/B	1.8	45	3.22	0.95	3.4	1.2	750	6
28BYGH51-067-4A/B	1.8	51	6.20	0.67	9.2	7.2	1200	4
28BYGH51-095-6A/B	1.8	51	4.35	0.95	4.6	1.8	900	6

## Gearbox Data

Reduction Ratio(X:1)	3.7	5.2	13	19	27	51	71	100	139	189	264
Number of gear trains	1	1	2	2	2	3	3	3	3	4	4
Rated output torque(kg.cm)	20	20	30	30	30	40	40	40	40	40	40
Gear Box Length(mm)	27	27	35	35	35	43	43	43	43	50.5	50.5

## Mechanical Dimensions

