BDPG-12 Series

ANAHEIM AUTOMATION

FEATURES

- ***DC Brush Planetary Gearmotor***
- ***Operates with 2.4V and 3.0V DC Input***
- ***Designed for High Volume Applications***
- ***Up to 27.77 oz-in of Continuous Torque***
- ***12 mm Motor Body Diameter***
- ***Custom Versions are Available***

DESCRIPTION

The BDPG 12 Series was designed for high volume OEM applications with low cost being the primary objective. These reliable low cost Brush DC Planetary Gearmotors come in a variety of power levels and sizes that will be sure to fit your needs. The motors are fully reversible. The BDPG 12 Series is a cost-effective solution to manage motion control in many rotary applications including medical, semiconductor, pumps, robotics, hobby, CNC, and many other applications where a low cost Brush DC Planetary Gearmotor is needed.

SPECIFICATIONS

Model #	Voltage (V)	Gear Ratio (X:1)	No Load Speed After Gearbox (RPM)	Rated Output (W)	Rated Speed (RPM)	Rated Torque (oz-in)	Peak Torque (oz-in)	Rated Current (mA)	No Load Current (mA)	Efficiency (%)	Weight (lbs)	Gearbox Length (L) (mm)
BDPG-12-30-2.4V-12500-R4	2.4	4	3125	0.62	2400	0.28	1.5	≤450	≤130	85%	0.05	12.8
BDPG-12-30-2.4V-12500-R64	2.4	64	196	0.62	150	3.48	24	≤450	≤130	65%	0.07	19.4
BDPG-12-30-2.4V-12500-R1024	2.4	1024	12.21	0.62	10	27.78	8.32	≤450	≤130	45%	0.08	26.0
BDPG-12-30-3V-12500-R4	3.0	4	3125	0.59	2400	0.26	1.67	≤340	≤80	85%	0.05	12.8
BDPG-12-30-3V-12500-R64	3.0	64	196	0.59	150	3.19	26.66	≤340	≤80	65%	0.07	19.4
BDPG-12-30-3V-12500-R1024	3.0	1024	12.21	0.59	10	27.77	83.32	≤340	≤80	45%	0.08	26.0

*Note: Different Gear Ratios available. They are listed on the next page.

Housing Material:	Metal	Radial Play of Shaft:	≤ 0.05 mm
Bearing at Output:	Sleeve Bearings	Radial Load (8mm from flange):	≤ 0.5 kgf
Humidity:	20%~85% RH	Shaft Axial Load:	≤ 0.5 kgf
Backlash at No Load:	≤ 3°	Shaft Press Fit Force, Max:	≤ 1.5kgf
Operating Temperature:	-10°C~+60°C	Thrust Play of Shaft:	≤ 0.2 mm

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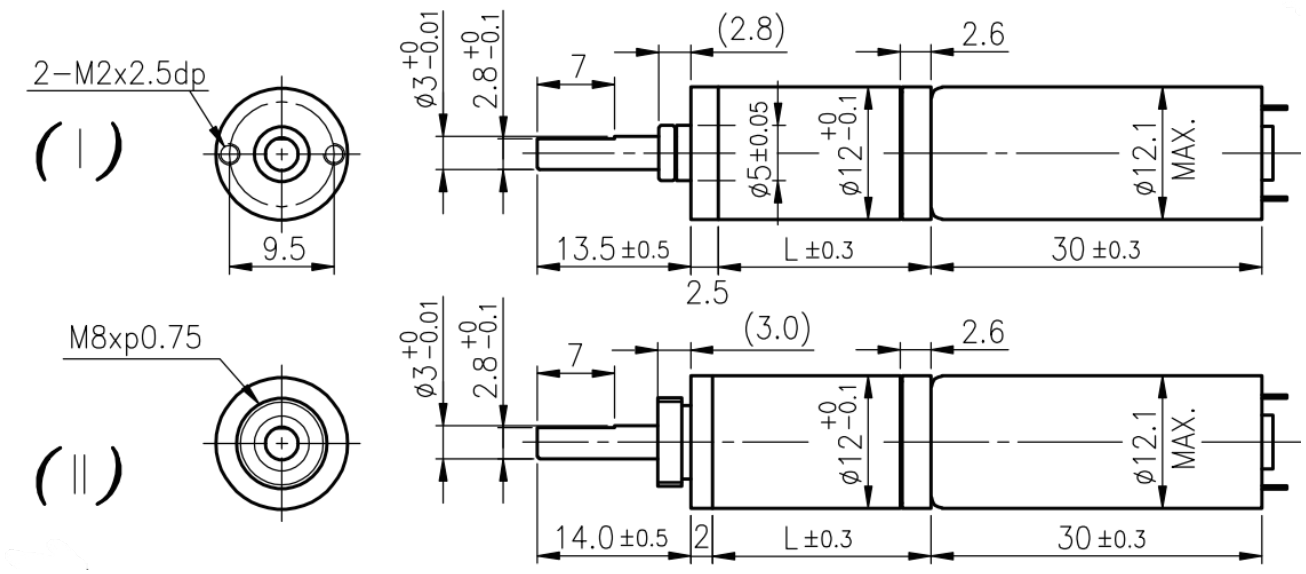

* Dimensions are in mm

Gearbox Ratio	Gearbox Length (L) (mm)
1:4	12.8
1:16	16.1
1:64	19.4
1:256	22.7
1:1024	26.0
1:4096	29.3