

- **DC Brush Planetary Gearmotor**
- **Operates with 2.4V and 3V DC Input**
- **Designed for High Volume Applications**
- **Up to 27.77 oz-in of Continuous Torque**
- **13 mm Motor Body Diameter**
- **Custom Versions are Available**

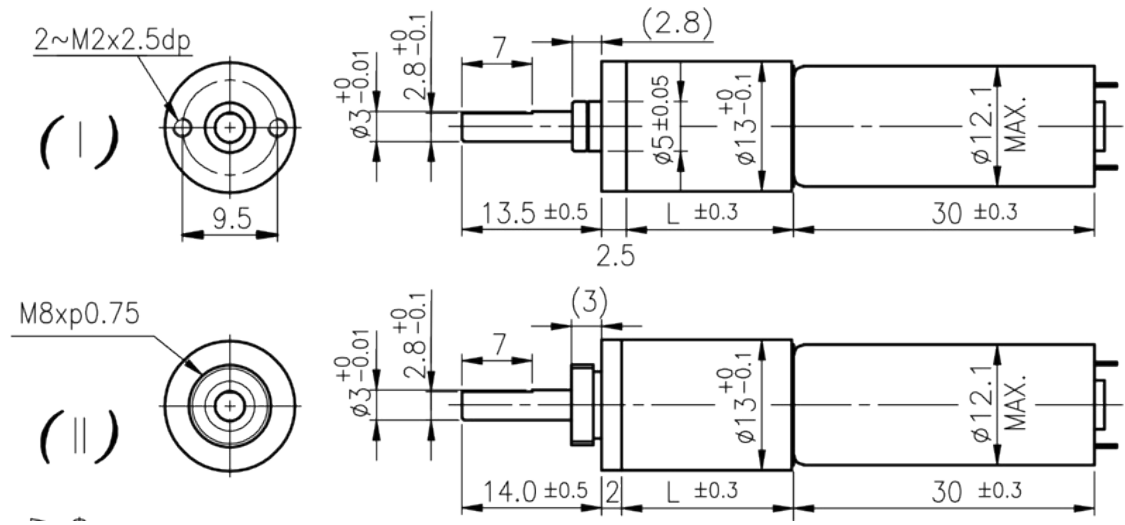


The BDPG 13 Series was designed for high volume OEM applications with low cost being the primary objective. These reliable low cost Brush DC Planetary Gearmotors come in a variety of power levels and sizes that will be sure to fit your needs. The motors are fully reversible. The BDPG 13 Series is a cost-effective 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.

Model #	Voltage (V)	Gear Ratio (X:1)	No Load Speed After Gearbox (RPM)	Efficiency (%)	Rated Speed (RPM)	Rated Torque (oz-in)	Peak Torque (oz-in)	Rated Current (mA)	No Load Current (mA)	Rated Output (W)	Weight (lbs)	Gearbox Length (L) (mm)
BDPG-13-30-2.4V-12500-R4	2.4	4	3125	85%	2400	0.28	1.5	≤450	≤130	0.62	0.05	10.2
BDPG-13-30-2.4V-12500-R64	2.4	64	196	65%	150	3.47	24	≤450	≤130	0.62	0.06	16.8
BDPG-13-30-2.4V-12500-R1024	2.4	1024	12.21	45%	10	27.77	83.33	≤450	≤130	0.62	0.07	23.4
BDPG-13-30-3V-12500-R4	3.0	4	3125	85%	2400	0.26	1.5	≤340	≤80	0.59	0.05	10.2
BDPG-13-30-3V-12500-R64	3.0	64	196	65%	150	3.19	27.27	≤340	≤80	0.59	0.06	16.8
BDPG-13-30-3V-12500-R1024	3.0	1024	12.21	45%	10	27.77	83.33	≤340	≤80	0.59	0.07	23.4

Housing Material:	Metal	Radial Play of Shaft:	≤ 0.08 mm
Bearing at Output:	Sleeve Bearings	Radial Load (10mm 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:	≤ 1.5 kgf
Operating Temperature:	-10°C~+60°C	Thrust Play of Shaft:	≤ 0.2 mm

L011245



\* Dimensions are in mm

Gearbox Ratio	Gearbox Length (L) (mm)
1:4	10.2
1:16	13.5
1:64	16.8
1:256	20.1
1:1024	23.4
1:4096	26.7