

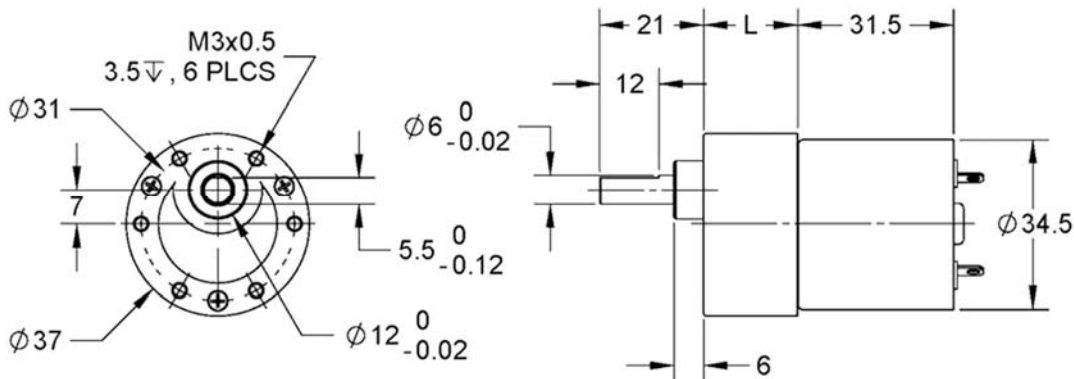
# BDSG-37-30-12V Series



- DC Brush GearMotor
- Designed for high volume applications
- Up to 250 oz in (18 kg-cm) of Peak Torque
- Up to 83 oz in (6 kg-cm) of Continuous Torque
- 37 mm motor body diameter

## BDSG-37-30-12V-5000-Rxx Specifications

Gear Ratio, Rxx number	10	18	30	50	75	100	150	200	250	300	400	500	750	1000	1500	3000
Rated Voltage (VDC)	12V	12V	12V	12V	12V	12V	12V	12V	12V	12V	12V	12V	12V	12V	12V	12V
No-load speed before gearbox (RPM)	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
No-load current (A)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Rated speed before gearbox (RPM)	4300	4300	4300	4300	4300	4300	4300	4300	4300	4300	4300	4300	4300	4300	4300	4300
Output Power (Watts)	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Rated current (A)	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Stall current (A)	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Length "L" (mm)	19	21.5	21.5	24	24	24	26.5	26.5	26.5	26.5	29	29	29	29	31.5	31.5
No Load Speed after gearbox (RPM)	500	270	160	100	65	50	33	25	20	16	12	10	6.6	5.0	3.3	1.6
Rated Speed after gearbox (RPM)	430	230	140	86	57	43	28	21	17	14	11.3	9.2	6.3	4.8	3.3	1.6
Rated Torque after gearbox (kg-cm)	0.4	0.6	1.0	1.6	2.4	3.3	4.4	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Peak Torque after gearbox (kg-cm)	3.0	6.0	6.0	12	12	12	18	18	18	18	18	18	18	18	18	18
Rotation Direction	CCW	CW	CW	CCW	CCW	CCW	CW	CW	CW	CW	CCW	CCW	CCW	CCW	CW	CW



Doc #L010372