

B2838G

Output Power : 1W~14W

Weight : 150g (Approx.)

Brushless DC Gear Motor-Typical Application

Home Application: Electric Window, Electric Curtain, Small Appliances, Portable Equipment

Industry Facility: Transmission Equipment, Gear System, Actuator

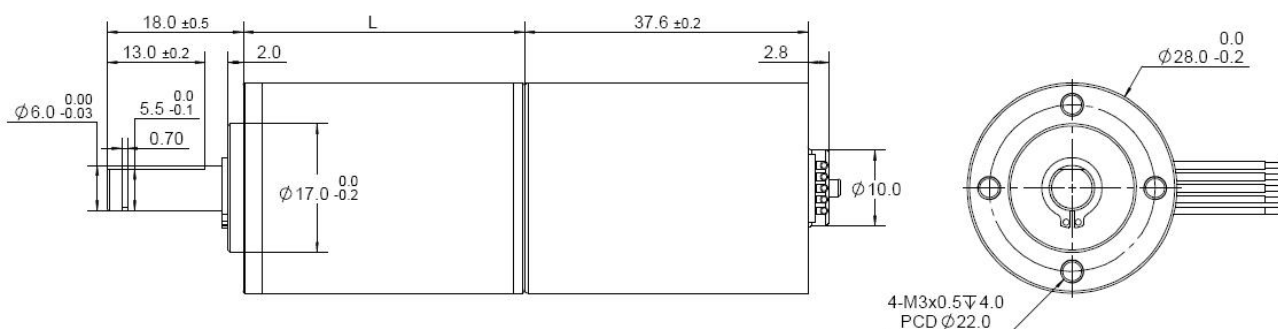
Electronic Equipment: Electric Valve, Small Switcher, Lighting Adjustor, Small Percussion Drill

Business Equipment: Electric Gate, Banking Facility, ATM, Vending Machine

Personal Care: Massager, Stroker, Vibrator



Outline Drawing: Unit: Millimeter



Torque & Speed List:

Model	Gear Ratio	5	16	21	38	52	72	100	242	334	424
B2838G-S01 (12V-3900)	No Load (r/min)	785	245	185	100	75	55	40	16	11	9
	Rated Speed (r/min)	640	195	150	85	60	45	32	13	9	7
	Rated Torque (mNm)	48	134.4	176.4	273.6	374.4	518.4	720	1452	2004	2035
B2838G-S02 (24V-9400)	No Load (r/min)	1880	587	448	248	180	130	95	39	28	22
	Rated Speed (r/min)	1150	362	275	152	110	80	58	24	17	13
	Rated Torque (mNm)	96	245	245	547.2	748.8	980	980	2450	2450	2450
B2838G-S03 (24V-16000)	No Load (r/min)	3200	1000	760	420	305	220	160	65	48	36
	Rated Speed (r/min)	2600	810	615	340	250	180	130	54	39	30
	Rated Torque (mNm)	80	224	245	456	624	864	980	2420	2450	2450

Gear Box Characteristic:

Material	Metal
Bearing Type	Ball bearings
Radial Force	≤3.5 Kgf
Axial Force	≤2.5 Kgf
Max. Pushing force at shaft	≤10 Kgf
Radial Clearance	≤0.05 mm
Axial Clearance	≤0.30 mm

Reduction Ratio	L	Reducer Series	Rated Torque	
	mm		mN-m	Kgf-cm
1/5	21.7	1	98	1.0
1/16, 1/21	27.4	2	245	2.5
1/38, 1/52, 1/72, 1/100	33.2	3	980	10
1/242, 1/334	39	4	2450	25.0
1/424	44.8	5	2450	25.0

Notice: Data in this typical specification sheet are for other certain customer. Voltage, rated torque, speed, current, power and shaft extension feature & dimension can be changed to meet customer specific requirement.