

### φ20mm Planetary Gear DC Brush Motor ZWPD020020

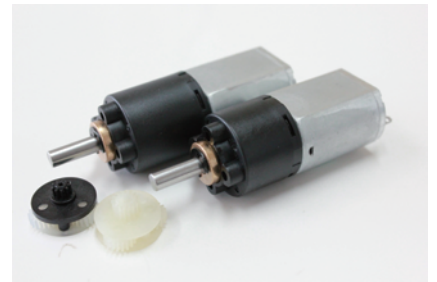
OUTPUT : 0.05~1.5W (APPROX)

Standard Gear Material : POM

SHAFT TYPE : 金属シャフト /Metal Shaft

代表的用途 /Typical Application

Beauty & Health Electric Equipment、Robotic hand、Automatic door & Window、



#### Motor Parameter

No.	Model No.	Ratio ( : 1 )	Outline Size				Rated Voltage (V)	No Load		at Max Efficiency					Mechanical Performance					
			Motor OD (mm)	GearBox Length (mm)	Total Length (mm)	Shaft OD (mm)		No Load Speed (rpm)	No Load Current (mA)	Rated Torque		Rated Speed (rpm)	Rated Current (mA)	Rated Power (W)	Permission Torque		Moment Permission Torque			
										(mN-m)	(g · cm)				(mN-m)	(g · cm)	(mN-m)	(g · cm)		
1	ZWPD020020-4	4	20.0	13.3	38.4	4.0 Metal D-cut	9.0	1837	43	4.0	40.8	1499	149	0.6	58.8	600	176.4	1800		
2	ZWPD020020-6	6						1224	43	5.9	60.2	999	149	0.6	58.8	600	176.4	1800		
3	ZWPD020020-16	16						18.3	43.4	459	43	13.0	132.6	375	154	0.5	147.0	1500	441.0	4500
4	ZWPD020020-24	24								306	43	20.0	203.9	250	154	0.5	147.0	1500	441.0	4500
5	ZWPD020020-36	36								204	43	30.0	305.9	167	154	0.5	147.0	1500	441.0	4500
6	ZWPD020020-64	64	23.3	48.4	114	48	45.0	458.9	94	154	0.4	245.0	2500	735.0	7500					
7	ZWPD020020-96	96			76	48	67.0	683.2	62	154	0.4	245.0	2500	735.0	7500					
8	ZWPD020020-144	144			51	48	100.0	1019.7	42	154	0.4	245.0	2500	735.0	7500					
9	ZWPD020020-216	216			34	48	151.0	1539.7	28	154	0.4	245.0	2500	735.0	7500					
10	ZWPD020020-256	256	28.3	53.4	28	53	150.0	1529.6	23	159	0.4	392.0	4000	735.0	7500					
11	ZWPD020020-384	384			19	53	225.0	2294.3	16	159	0.4	392.0	4000	735.0	7500					
12	ZWPD020020-576	576			13	53	337.0	3436.4	10	149	0.4	392.0	4000	735.0	7500					
13	ZWPD020020-864	864			8	53	337.0	3436.4	7	135	0.3	392.0	4000	735.0	7500					
14	ZWPD020020-1296	1296			6	53	380.0	3874.9	5	125	0.2	392.0	4000	735.0	7500					

#### Module & GearBox Parameter

Model No. & Gear Box OD	Transmission Reduction		Efficiency per Stage (APPROX)	Module & Gear Box Specification				
	Ratio ( : 1 )	Stage		Material	Module Size	JGMA-116-02	Permission overhung load (kgf)	Permission thrust load (kgf)
φ20 ZWPD020020	4 / 6	1	85%	POM & Hybrid	0.35	3-4	0.5	1.0
	16 / 24 / 36	2						
	64 / 96 / 144 / 216	3						
	256 / 384 / 576 / 864 / 1296	4						

