

### φ12mm Planetary Gear DC Brush Motor ZWPD012012

OUTPUT : 0.01~0.5W (APPROX)

Standard Gear Material : POM

SHAFT TYPE : 樹脂シャフト / Plastic Shaft

代表的用途 / Typical Application

Beauty & Health Electric Equipment、Robotic hand、Model&Toys、Remoto Control Device



#### 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	ZWPD012012-16	16	12.0	10.7	25.7	3.5 Plastic D-cut	3.0	717	64	1.8	18.4	625	130	0.12	78.4	800	235.2	2400
2	ZWPD012012-24	24						478	64	2.6	26.5	417	130	0.12	78.4	800	235.2	2400
3	ZWPD012012-36	36						319	64	4.0	40.8	278	130	0.12	78.4	800	235.2	2400
4	ZWPD012012-64	64						174	64	5.3	54.0	156	135	0.09	117.6	1200	352.8	3600
5	ZWPD012012-96	96						116	64	8.0	81.6	104	135	0.09	117.6	1200	352.8	3600
6	ZWPD012012-144	144		77	64			12.0	122.4	69	135	0.09	117.6	1200	352.8	3600		
7	ZWPD012012-216	216		52	64			18.0	183.5	46	135	0.09	117.6	1200	352.8	3600		
8	ZWPD012012-256	256		44	69			16.0	163.2	39	135	0.06	196.0	2000	352.8	3600		
9	ZWPD012012-384	384		29	69			24.0	244.7	26	135	0.06	196.0	2000	352.8	3600		
10	ZWPD012012-576	576		18.3	33.3						19	69	36.0	367.1	17	135	0.06	196.0
11	ZWPD012012-864	864	13			69	54.0				550.6	12	135	0.06	196.0	2000	352.8	3600
12	ZWPD012012-1296	1296	8.6			69	80.0				815.8	7.7	135	0.06	196.0	2000	352.8	3600

#### 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)
φ12 ZWPD012012	16 / 24 / 36	2	85%	POM	0.22	3	0.5	1.0
	64 / 96 / 144 / 216	3						
	256 / 384 / 576 / 864 / 1296	4						

