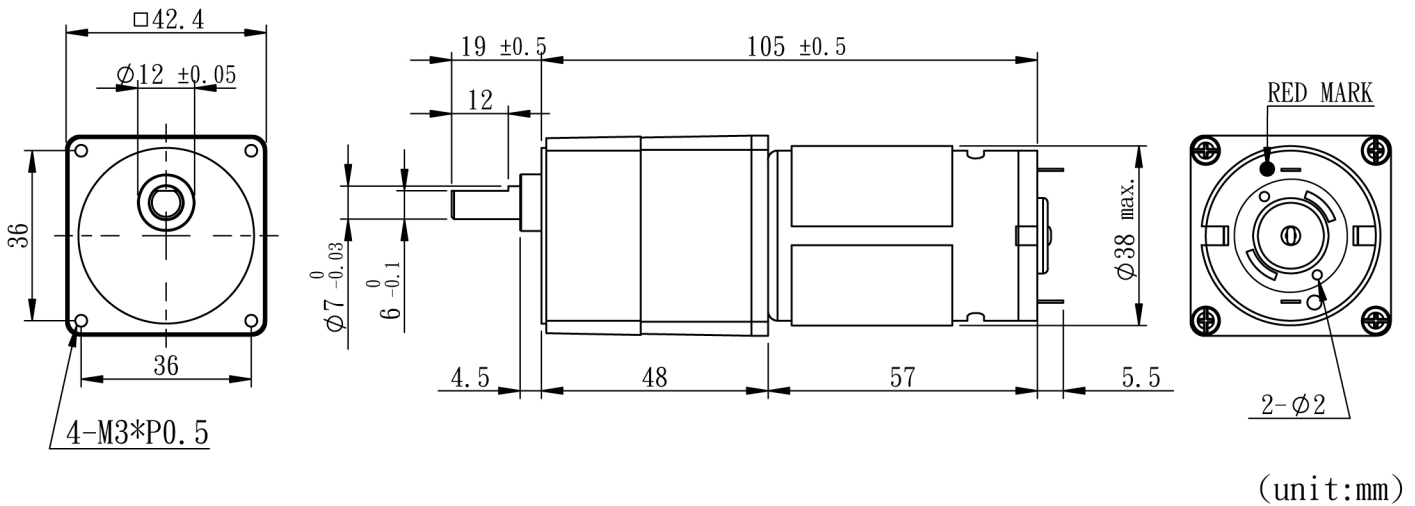
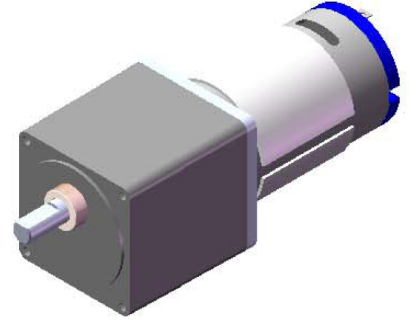
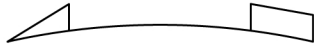


SPECIFICATIONS

DC Spur Gear Brush Motor

MODEL NUMBER
HG42KD2100-312

DIRECTION OF ROTATION



A. Operating Conditions:

1	Operating Voltage Range	6~12	V DC	4	Operating Temperature	-10~+60	°C
2	Rated Voltage	12	V DC	5	Storage Temperature	-30~+85	°C
3	Nominal Voltage	12	V DC	6	Rated Load	10	kgf-cm

B. Electrical Characteristics:

1	No-load Current	0.8	A (MAX.)	6	Stall Current	32	A (MAX.)
2	No-load Speed	32 $\pm$ 4	rpm	7	Insulation Resistance(500V)	20	MΩ (MIN.)
3	Rated-load Current	1.5	A (MAX.)	8	Dielectric Strength	250	AC V
4	Rated-load Speed	30 $\pm$ 3	rpm	9	Motor Brush Type	Carbon Brush	~
5	Stall Torque	260	kgf-cm(MIN.)	10	Output Power at Max. Eff.	18	Watts

C. Mechanical Characteristics:

1	Gear Type	Spur	~	7	Output shaft Radial Load	5	kgf(MAX.)
2	Gear Ratio	1/312	~	8	Output shaft Run-out	0.05	mm(MAX.)
3	Gear Material	Sintered	~	9	Shaft End play	0.20	mm(MAX.)
4	Rated Tolerance Torque	15	kgf-cm(MAX.)	10	Bearing Type	Sleeve	~
5	Momentary Tolerance Torque	60	kgf-cm	11	Net Weight	480 $\pm$ 20	grams
6	Output shaft Axial Load	10	kgf(MAX.)	12	Extra Parts		