GA37-520 DC geared motor

1.Standard Operating Condition:

1-1	Rated voltage	12V DC
1-2	Operating voltage range	1.0V ~ 16.0V DC
1-3	Rated load	0.5kg-cm by pulley load
1-4	Direction of rotation	CW&CCW viewed from protruded shaft side
1-5	Motor position	All direction of protruded shaft
1-6	Operating temperature range	-10°C~+60°C
1-7	Storage temperature range	-20°C~+85°C

Measuring Conditions

2-1	Motor position	Motor to be held, with shaft horizontally
2-2	Power supply	Regulated power supply which assures unquestionable
2-3	Environmental	+10°C~+35°C and 30%~90%RH.
	temperature and	If judgment is questionable, measurement is be made
	humidity	Based on JIS Standard Testing Condition(20 $^{\circ}\text{C} \pm 2 ^{\circ}\text{C}$,
		65%±5%)

2-4 Direction of rotation	CW viewed from protruded shaft side
---------------------------	-------------------------------------

Electrical Characteristics

3-1	No load current	Rated voltage, No load	≦200mA
3-2	No load speed	Rated voltage, No load	360rpm ±
			10%
3-3	Starting current	Rated Voltage, rotor position to be	≦4A
		2/3R	
3-4	Stall torque	Rated Voltage	≥5.kg.cm
3-5	Insulation resistance	Between motor terminal and motor	10M Ω (min)
		metal housing (100v DC)	
3-6	Dielectric strength	AC 100v (50~60Hz),2.0mA for one	No pull over
		minute between motor terminal and	
		motor metal housing	
3-7	Electrical noise	Motor to be equipped with varistor	

Mechanical & Functional Characteristics

4-1	External appearance	Outer dimensions to be with the
		tolerances specified in the attached
		Drawing No page 1 remarkable
		deformation or superficial defects to be

		observed by visual check Fastened parts to be fixed firmly.	
4-2	Gear ratio	1: 30	
4-3	Shaft end play	End play for thrust direction of protruded shaft	0.05~0.35mm
4-4	Weight		150G
4-5	Mechanical noise	Rated voltage no load and motor horizontally held Measured by JIS-A(RMS), at 10cm away form metal housing on protruded side and back ground noise to be 26dB(max).	≤60dB(max)
4-6	Encoder	Double hall switch 26Pulse output	

