

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 temperature and humidity	+10°C~+35°C and 30%~90%RH. If judgment is questionable, measurement is be made Based on JIS Standard Testing Condition(20°C ± 2°C , 65% ± 5%)

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

3-1	No load current	Rated voltage, No load	$\leq 200\text{mA}$
3-2	No load speed	Rated voltage, No load	360rpm $\pm 10\%$
3-3	Starting current	Rated Voltage, rotor position to be 2/3R	$\leq 4\text{A}$
3-4	Stall torque	Rated Voltage	$\geq 5.\text{kg.cm}$
3-5	Insulation resistance	Between motor terminal and motor metal housing (100v DC)	10M Ω (min)
3-6	Dielectric strength	AC 100v (50~60Hz), 2.0mA for one minute between motor terminal and motor metal housing	No pull over
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	
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