

Features

- Brushed Gear motor
- 60:1 reduction ratio
- 12mm diameter
- Heavy duty construction
- 6V dc voltage rating

RS PRO Brushed DC Geared Motor

RS Stock No.: 752-1999



RS PRO Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

The RS PRO Brushed Gear Motor – A high quality and robust 3 pole brushed gear motor with a power rating of 0.46 W designed for sub miniature applications. The brushed gear motor features a voltage rating of 6 V dc and is compatibility with a range of power sources.

General Specifications

Output Speed	300 rpm
Maximum Output Torque	119 g.cm
DC Motor Type	Brushed
Shaft Diameter	3mm
Gearhead Type	Spur
Length	24.25mm
Width	12mm
Weight	10g

Electrical Specifications

Power Rating	0.46 W
Current Rating	170 mA
Supply Voltage	6 V dc

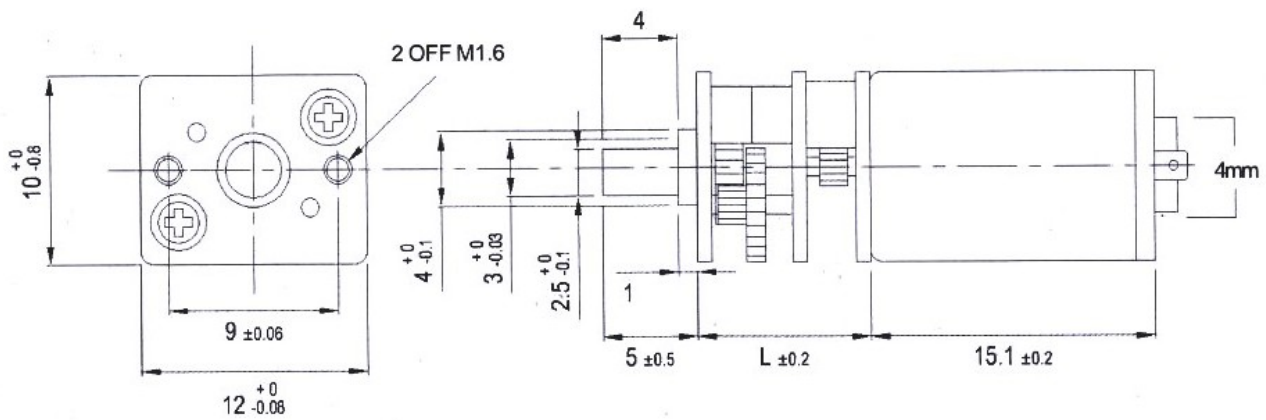
Further Specifications

Gearbox Housing material	Plastic
Backlash at no-load	< 1.5°
Bearing at output	Bronze
Radial load (10mm from flange)	< 0.4 kgf
Shaft axial load	< 0.2 kgf
Shaft press fit force max	< 2 kgf
Radial play of shaft	< 0.06mm
Thrust play of shaft	< 0.2mm

Reduction Ratio	Rated tolerance Torque	Max momentary Tolerance Torque	Efficiency
1/60	0.6 kgf-cm Max.	1.8 kgf-cm	66%

Reduction Table RPM	6v
SUPPLY VOLTAGE	
752-1999	300

Note: Motor speeds may vary by (+) or (-) 12.5%



Operating relative humidity 20% ~ 85%
 Operating temperature range -10°C ~ +60°C

Ratio	L
60:1	9.15mm