

Datasheet

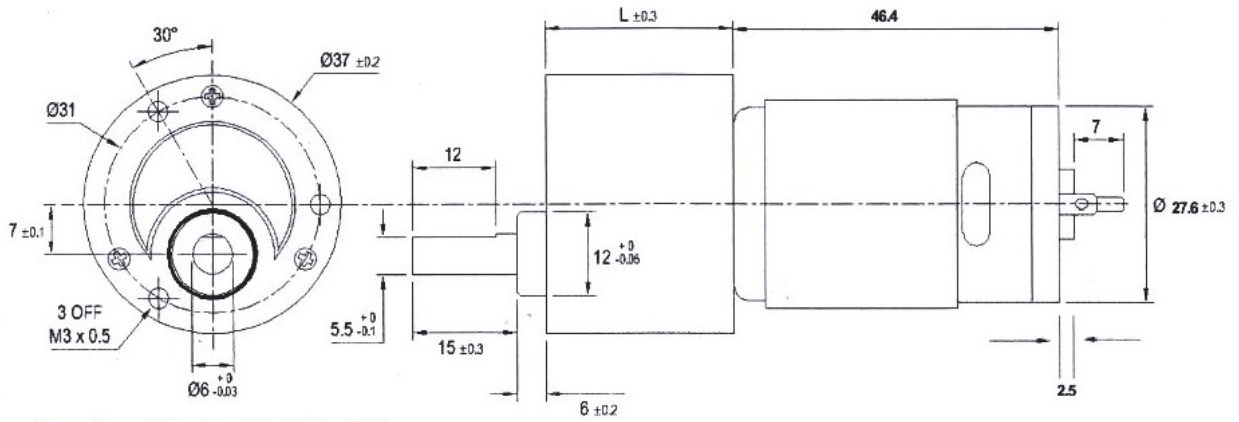
RS PRO, 12 V dc, 3000 gcm, Brushed DC Geared Motor, Output Speed 144 rpm

Stock No: 834-7638



Specifications:

Output Speed	144 rpm
Supply Voltage	12 V dc
Maximum Output Torque	3000 g.cm
DC Motor Type	Brushed
Shaft Diameter	6mm
Power Rating	7 W
Gearhead Type	Spur
Length	70.9mm
Width	37mm
Current Rating	840 mA
Weight	210g



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

Ratio	L
50:1	24.5mm

Gearbox Housing material	Metal
Backlash at no-load	< 2°
Bearing at output	Sleeve bearings
Radial load (10mm from flange)	< 1 kgf
Shaft axial load	< 0.7 kgf
Shaft press fit force max	< 20 kgf
Radial play of shaft	< 0.05mm
Thrust play of shaft	< 0.35mm

Reduction Ratio	Rated tolerance Torque	Max momentary Tolerance Torque	Efficiency
1/50	3 kgf-cm Max.	9 kgf-cm	66%

Reduction Table RPM	4.5v	6v	9v	12v	15v
SUPPLY VOLTAGE					
834-7638	54	72	108	144	180

Note: Motor speeds may vary by (+) or (-) 10%