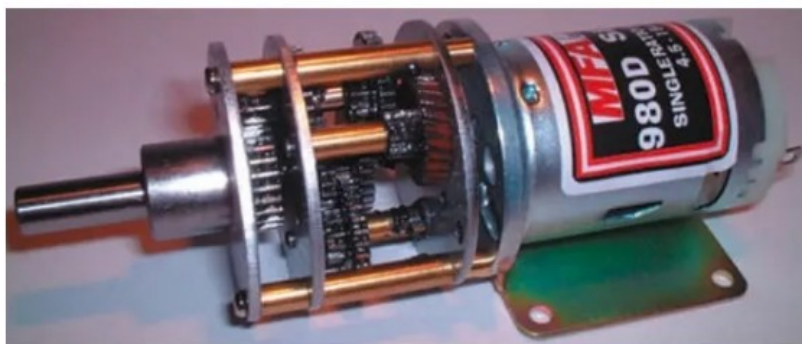


Datasheet

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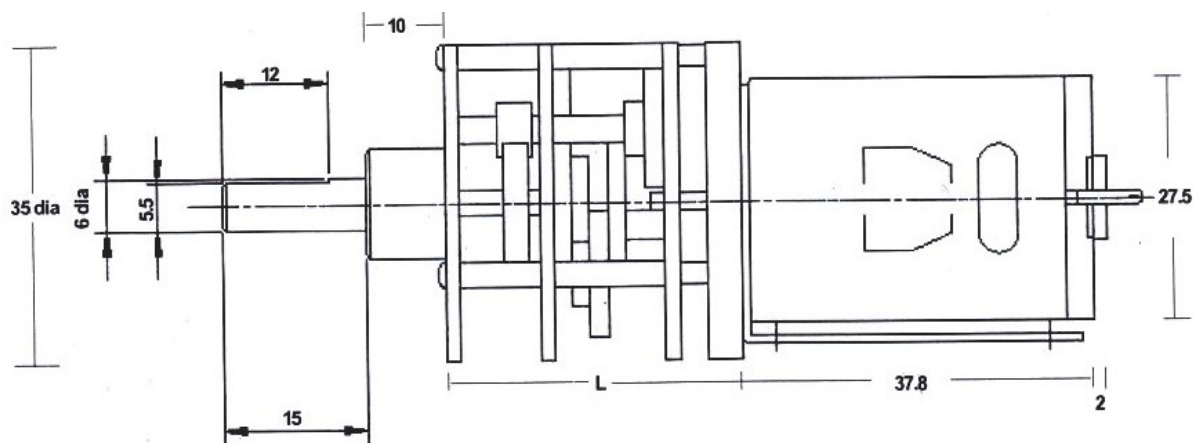
RS PRO, 12 V dc, 6000 gcm, Brushed DC Geared Motor, Output Speed 16 rpm

Stock No: 420-643



Specifications:

Output Speed	16 rpm
Supply Voltage	12 V dc
Maximum Output Torque	6000 g.cm
DC Motor Type	Brushed
Shaft Diameter	6mm
Power Rating	7.9 W
Gearhead Type	Spur
Length	72.8mm
Width	35mm
Current Rating	990 mA
Weight	205g



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

Ratio	L
750:1	35.0mm

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	< 5 kgf
Radial play of shaft	< 0.05mm
Thrust play of shaft	< 0.35mm

Reduction Ratio	Rated tolerance Torque	Max momentary Tolerance Torque	Efficiency
1/750	6.0 kgf-cm Max.	18.0 kgf-cm	48%

Reduction Table RPM SUPPLY VOLTAGE	4.5v	6v	9v	12v	15v
420-643	6	8	12	16	20

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