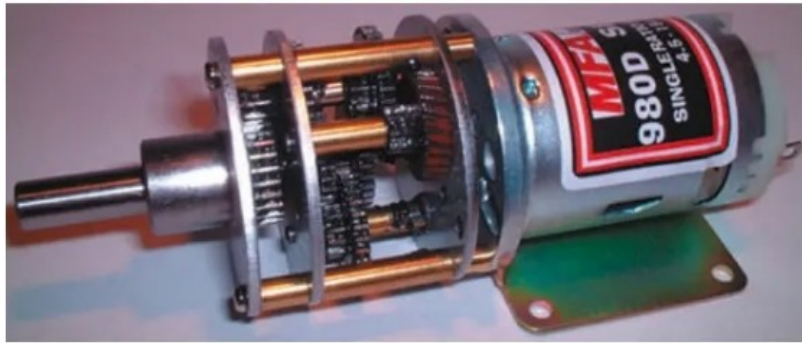


Datasheet

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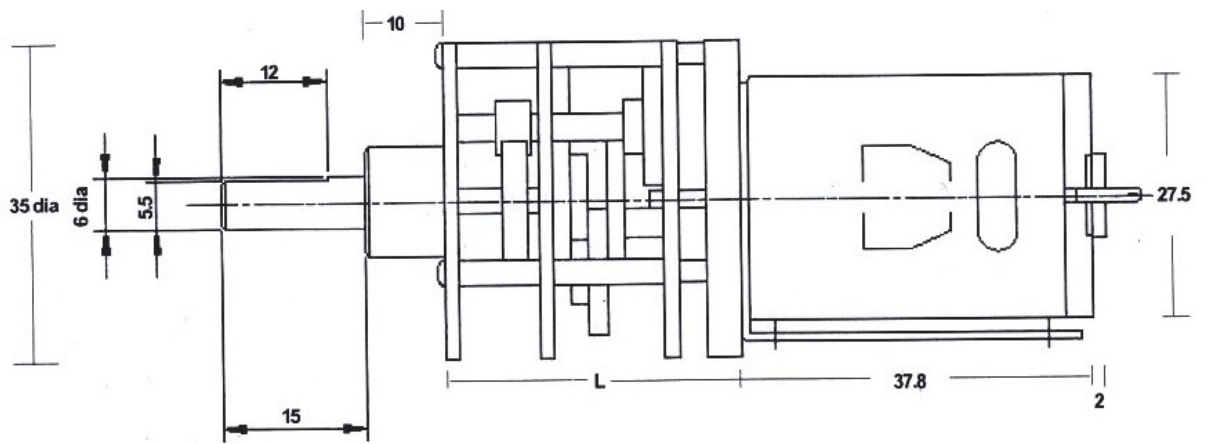
RS PRO, 4.5 - 15 V dc, 381 gcm, Brushed DC Geared Motor, Output Speed 1941 rpm

Stock No: 420-568



Specifications:

Output Speed	1941 rpm
Supply Voltage	4.5 - 15 V dc
Maximum Output Torque	381 g.cm
DC Motor Type	Brushed
Shaft Diameter	6mm
Power Rating	7.9 W
Gearhead Type	Spur
Length	59.8mm
Width	35mm
Current Rating	990 mA
Weight	180g



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

Ratio	L
6:1	22.0mm

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
1/6	1.0 kgf-cm Max.	3.0 kgf-cm	81%

Reduction Table RPM SUPPLY VOLTAGE	4.5v	6v	9v	12v	15v
420-574	728	971	1456	1941	2426

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