

12V/0.3Kg-cm/127RPM 18:1 DC Gear Motor



The 3255 is a 12 volt gear motor, generating 0.31 Kg-cm of torque at 127 RPM. It is very efficient for its size, so less power is lost in the form of heat.

This family of motors (3254, 3255, 3256, 3257) have the same gearbox type and mounting metrics as the (3258, 3259, 3260) family of motors.

Product Specifications

Motor Properties

Motor Type	DC Motor
Output Power (Mechanical)	590 mW
Maximum Speed at Rated Voltage	127 RPM
Rated Torque	310 gB·cm
Stall Torque	1.8 kgB·cm

Electrical Properties

Rated Voltage	12 V DC
Rated Current	90 mA
Stall Current	260 mA

Physical Properties

Shaft Diameter	6 mm
Weight	133 g
Recommended Wire Size (Motor)	20 – 26 AWG

Gearbox Specifications

Gearbox Type	Spur
Gear Ratio	18 : 1
Number of Gear Trains	3
Maximum Strength of Gears	6 kgB·cm
Shaft Maximum Axial Load	35 N
Shaft Maximum Radial Load	25 N

