# 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 N	1otor
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	Spu	ır	
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