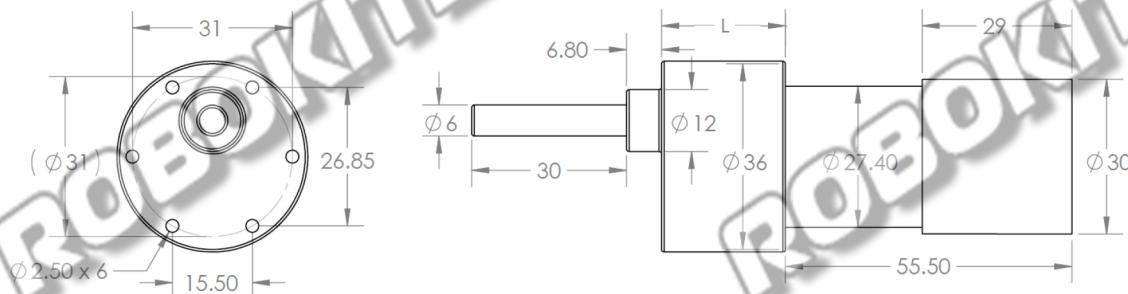


**Model Number**  
**RMCS-3013**

# **High Torque Quad Encoder Geared DC Motor 12V 100RPM**

## **Mechanical Drawing (Dimensions are in mm)**



10RPM	L=28.5mm
30RPM	L=28.5mm
60RPM	L=26.5mm
100RPM	L=26.5mm
200RPM	L=25mm
300RPM	L=25mm
600RPM	L=22mm
900RPM	L=22mm

## **Technical specifications of Motor**

<b>Motor Type</b>	High Torque DC Geared Motor
<b>Operating voltage</b>	12V DC
<b>Motor Speed at Output Shaft (RPM)</b>	100RPM
<b>Stall Torque(Kgcm)</b>	27.18Kgcm
<b>Rated Torque(Kgcm)</b>	12.5Kgcm
<b>Gear Ratio</b>	1 : 180
<b>CPR at Output Shaft of Motor</b>	29,520
<b>Weight</b>	180gm

## **Encoder Pinouts**

<b>Encoder Type</b>	Quad Encoder
<b>Line Encoder</b>	41 Line Encoder
<b>Base Motor CPR</b>	$41 \times 4 = 164$
Orange	EncA
Red	EncB
Yellow	Motor+
Green	Motor-
Brown	+5V DC
Black	Gnd

## **Base Motor Specifications**

<b>Nominal voltage(V)</b>	12V
<b>No-Load Speed (RPM)</b>	18000
<b>Rated Torque (gcm)</b>	151
<b>No-load current (A)</b>	0.8A
<b>Load current(A)</b>	up to 7.5 A(Max)

