

## DCM-4266-HE DC Servo Gear Motor with High Res Encoder

### Key Features

- High Power DC Brushed Motor
- Planetary Gearbox
- High resolution optical encoder



### Descriptions and Applications

**iNOVA-DCM-4266-HE512** is a DC servo motor, equipped with gear head and high resolution optical encoder. Used together with iMicro Robotic controller, it can be a high performance close loop servo system.

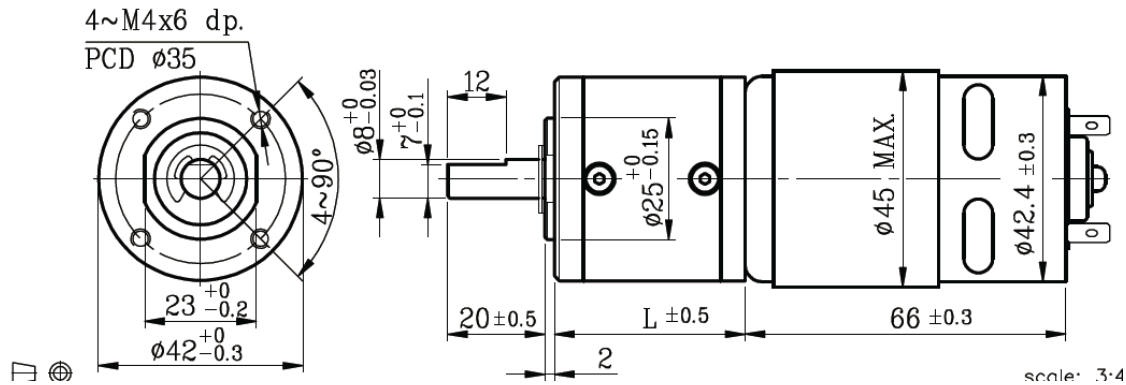
**Applications:**

Robotics  
 Factory Automation  
 Automation Equipments

### Ordering Information

Our Part No.	Description	Price
iNOVA-DCM4266-12-14-HE512	DC Motor with 14/1 Gear 512 PPR encoder	
iNOVA-DCM4266-12-24-HE512	DC Motor with 24/1 Gear 512 PPR encoder	
<p><b>Manufacturer:</b>            iNOVA Microsystems Pte Ltd            #06-30, NorthStar @ AMK            7030 Ang Mo Kio Ave 5            Singapore 569880            Tel: (65)65703826            Fax: (65)62344235            Email: <a href="mailto:sales@inovamicro.com">sales@inovamicro.com</a></p>		<p><b>Authorized Sole Distributor:</b>            Singapore:            Malaysia:            Thailand:            USA:            Worldwide: iNOVA Microsystems Pte Ltd</p>

DCM-4266  $\Phi$ 42mm Servo Gear Motor with High Resolution Encoder

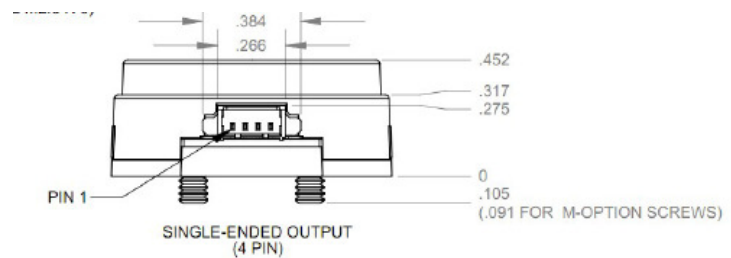


Motor Specification

		Part Number		
Motor Data DCM-4266		-12-14-HE512	-12-24-HE512	MORE
Nominal power	W	41.3		
Nominal voltage	V	12		More voltage option
Nominal speed	rpm	5700		
Nominal torque	mNm	68.6		
Nominal current	mA	5500		
No load speed	rpm	7000		
No load current	mA	900		
Stall torque	mNm	402		
Starting current	mA	26000		
Terminal resistance	ohm	0.46		
Weight	g	360		
<b>Encoder Data</b>				
Resolution	PPR	512		More Resolution Option
<b>Gearbox Data</b>				
Type		Planetary		
Ratio		14/1	24/1	More Gear Ratio Option
Radial Load	kg	8		
Axial Load	kg	3		
Max Press Force	kg	15		
Backlash	deg	3		
Length	mm	39.2		
Efficiency	%	70		
Weight	g	191		

Encoder Specification

Pin	Description
1	+5VDC power
2	A channel
3	Ground
4	B channel



Related Products

Driver: iMoto Dual Axis DC Motor Motion Driver