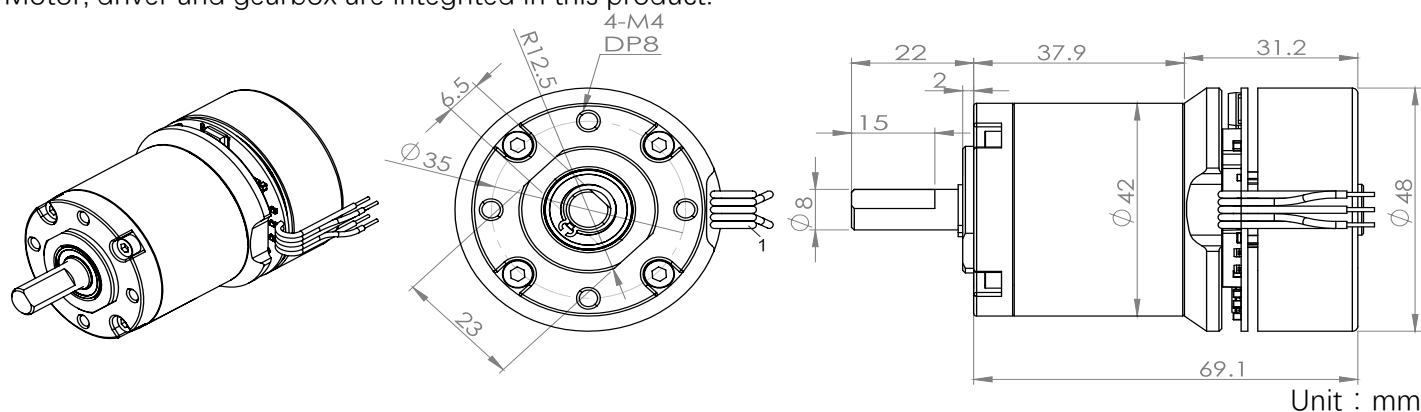


Motor, driver and gearbox are integrated in this product:



General Characteristics

Basic Dimensions Unit

Diameter	mm	42/48
Body length	mm	69.1
Output shaft diam.	mm	8
Output shaft length	mm	22

Driver Features

Control type :	Square-wave/openloop
Rated voltage:	24V(8V-25.2V)
Over Currunt Protection (OCP):	4.5 A
Signal voltage level:	5V

Gearbox Features Unit

Gearbox model	GP48L2A
Gearbox type	Planetary
Gearbox ratio	K 10.2/13.7/19.2
Gearbox stages	2
Gearbox diameter	mm 42
Gearbox length	mm 69.1
Gearbox efficiency	80%
Operating torque	kg*cm 60
Brakeing torque	kg*cm 180

Motor Features Unit

Motor type	BLDC outrunner
Motor model	MXL4825KV200HA
Pole pairs	5
Number of phases	3

Pin definition(left to right):

1.Blue-PWM 2.Black-GND 3.Yellow-F/R 4.Green-FG 5.Red-VCC

PWM frequency:	10K -20K Hz
Frequency Generator(FG) :	5 PPR

Nominal & Stall Unit

Gearbox ratio	K	10.2	13.7	19.2
Nominal voltage	V	24	24	24
Noload speed	rpm	433	322	230
Nominal speed	rpm	363	270	193
Nominal torque	Nm	1.1	1.5	2.1
Nominal current	A	3.0	3.0	3.0
Maximal power	W	54	54	54
Maximal efficiency		59%	59%	59%
Stall torque*	Nm	3.7	4.9	6.9
Stall current*	A	8	8	8

*Attention: Stall operation is only for reference due to Over Current Protection.

*In case specific shaft, connector, or any other features need to be customized, please visit www.damoto.tech and contact us.