



## 42mm Brushless DC Series



### SPECIFICATIONS:

Winding Type	Delta, 3 phase
Hall Effect Angle	120 degree electrical angle
Shaft Runout	0.025mm
Shaft Radial Play	0.02mm@450g
Shaft Axial Play	0.08mm@450g
Max Radial Force	28N @20mm from the flange
Max Axial Force	10N
Insulation Class	Class B
Dielectric Strength	500V for one minute
Insulation Resistance	> 100MΩ, 500V

### SUBMODELS:

The following are common sub models for the LDO-42BL series. Click to request a quote and/or more information on a specific sub model.

	Rated Voltage	Rated Speed	Rated Torque	Peak Torque	Peak Current	Power	Line to Line Resistance	Line to Line Inductance	Torque Constant	Back EMF	Rotor Inertia	Body Length	Approx. Weight
Part No.	(V)	(RPM)	(mNm)	(mNm)	(A)	(W)	(Ω)	(mH)	(mNm/A)	(V/kRPM)	(g-cm <sup>2</sup> )	(mm)	(kg)
LDO-42BLS41	24	4000	63	190	5.4	26	1.8	2.6	35	3.66	24	41	0.3
LDO-42BLS61	24	4000	125	380	10.6	52.5	0.8	1.2	36	3.72	48	61	0.45
LDO-42BLS81	24	4000	185	560	15.5	77.5	0.55	0.8	36	3.76	72	81	0.65
LDO-42BLS100	24	4000	250	750	20	105	0.28	0.54	38	3.94	96	100	0.80