

BLU06-SL - Brushless Motors



FEATURES

- **Size 06 BLDC Motor**
- **Sensorless Design**
- **High Speed Motor**
- **Compact Size and Power Density**
- **Long Life and Highly Reliable**
- **Operating Temperature of -20° to +100° C**
- **Cost-Effective Replacement for Brushless DC Motors**
- **Can be Customized for**
 - **Maximum Speed**
 - **Winding Current**
 - **Shaft Options**
 - **Cables and Connectors**



DESCRIPTION

The BLU06-SL Series Brushless DC Motors come in a compact package with high power density. These motors are cost-effective solutions to many velocity control applications. The sensorless feature can help simplify your design. With its small footprint, it is great for applications where space is limited. We can also customize the windings to perfectly match your voltage, current, and maximum operating speed. Special shaft modifications, cables and connectors are also available upon request.

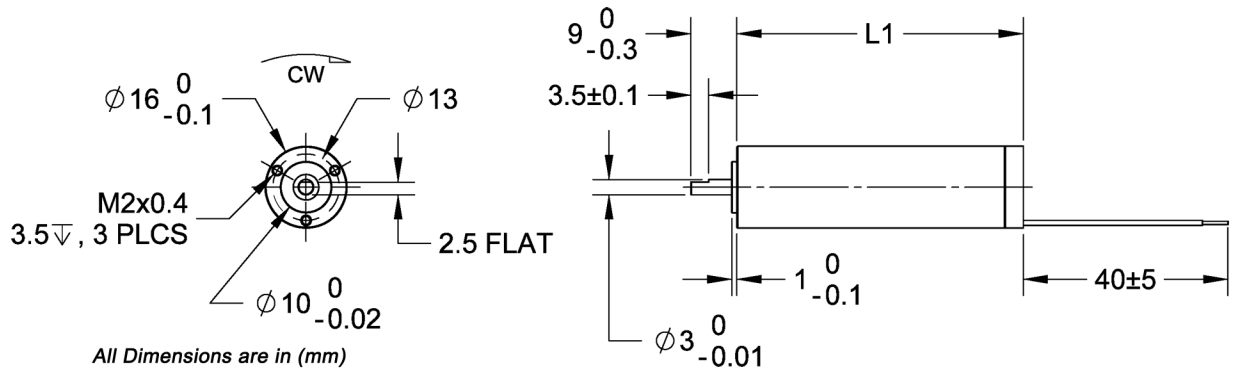
SPECIFICATIONS

Model #	Rated Voltage (V)	Max Speed (RPM)	Rated Power (W)	Peak Torque (oz-in)	Peak Current (A)	Line to Line Resistance (ohms)	Line to Line Inductance (mH)	Torque Constant (oz-in/A)	Weight (lbs)	Shaft	"L" Length (mm)
BLU061S-09V-6200-SL	09	6200	1.32	1.320	0.20	8.20	0.74	1.47	0.06	Single	0.046
BLU061S-12V-8500-SL	12	8478	2.47	0.393	0.20	10.40	0.73	1.44	0.06	Single	0.046
BLU062S-09V-6200-SL	09	6213	1.32	1.320	0.33	8.20	0.51	1.49	0.06	Single	0.049
BLU062S-12V-9000-SL	12	9100	2.44	0.362	0.36	7.80	0.51	1.39	0.06	Single	0.049
BLU063S-24V-32000-SL	24	32000	30.0	1.500	2.70	1.30	0.07	0.60	0.12	Single	0.087
BLU063S-32V-32000-SL	32	32000	35.0	1.500	2.50	2.30	0.11	0.65	0.12	Single	0.087
BLU063D-24V-32000-SL	24	32000	30.0	1.500	2.70	1.30	0.07	0.60	0.12	Dual	0.087
BLU063D-32V-32000-SL	32	32000	35.0	1.500	2.50	2.30	0.11	0.65	0.12	Dual	0.087

Note: The 7th character "S" denotes a single shaft, use "D" for double shaft. Custom leadwires, cables connectors, and windings are available upon request.

L010577

DIMENSIONS



SPECIFICATIONS

Winding Type:	3 Phase, Y Connection	Insulation Resistance:	200M Ohm
Shaft Run Out:	0.02mm	Insulation Class:	Class F
Radial Play:	0.01mm	End Play:	0.1mm
Maximum Radial Force:	10N	Maximum Axial Force:	3N
Dielectric Strength:	500V		

Phase		
A	B	C
Yellow	Red	Black
U	V	W

