

BLU06-SL - Brushless Motors



FEATURES

- **16mm round 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.

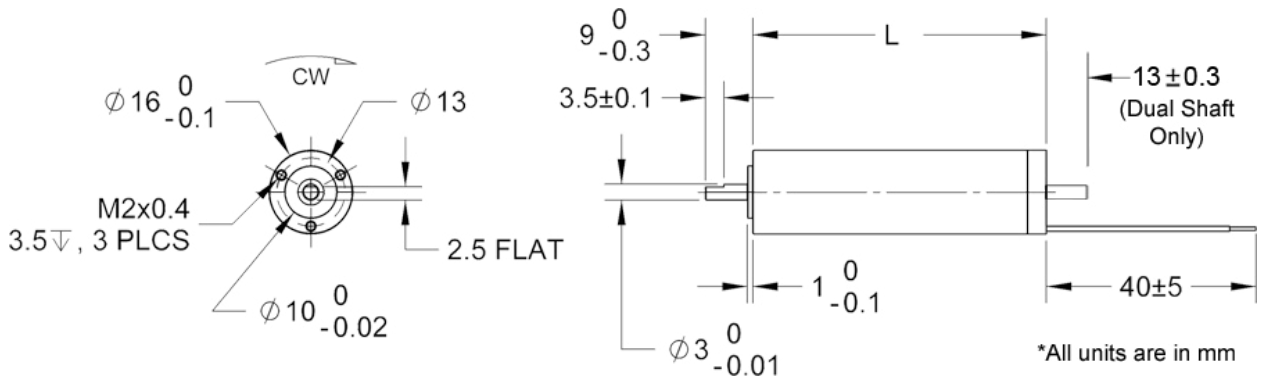
SPECIFICATIONS

Model #	Rated Voltage (V)	Max Speed (RPM)	Max 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	8000	1.32	1.320	0.20	25.20	0.74	1.47	0.06	Single	30
BLU061S-12V-8500-SL	12	11000	2.47	0.393	0.20	25.50	0.73	1.44	0.06	Single	30
BLU062S-09V-6200-SL	09	8000	1.32	1.320	0.33	14.90	0.51	1.49	0.06	Single	32
BLU062S-12V-9000-SL	12	11500	2.44	0.362	0.36	14.88	0.51	1.39	0.06	Single	32
BLU063S-24V-32000-SL	24	40000	35.0	1.500	2.70	1.30	0.07	0.81	0.12	Single	56
BLU063S-32V-32000-SL	32	40000	40.0	1.500	2.50	2.30	0.11	1.07	0.12	Single	56
BLU063D-24V-32000-SL	24	40000	35.0	1.500	2.70	1.30	0.07	1.07	0.12	Dual	56
BLU063D-32V-32000-SL	32	40000	40.0	1.500	2.50	2.30	0.11	1.07	0.12	Dual	56

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

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DIMENSIONS



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		

SPECIFICATIONS

Phase		
A	B	C
Yellow	Red	Black
U	V	W
White	Red	Black

