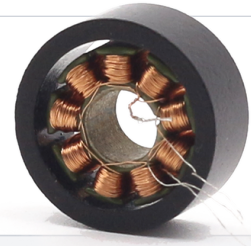


# TSL-BLDC-WK1105

Outer Rotor Frameless Torque Motor | Magnetic Ring Version



Rated Voltage 12 V	Rated Speed 850 RPM	Peak Speed 18,057 RPM	Motor Size Ø14.9 x 6.25 mm
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## 1. Electrical and Mechanical Parameters

Parameter	Unit	Value
Rated Voltage	V	12
Rated Current	A	0.59
Rated Torque	N.m	0.01
Rated Speed	RPM	850
Peak Speed	RPM	18,057
Peak Torque	N.m	0.01
Peak Current	A	0.92
Winding Turns of Motor	T	50
Interphase Resistance	Ω	12.5
Interphase Inductance	mH	1.15
Speed Constant	rpm/V	1,505
Torque Constant	N.m/A	0.01
Rotor Inertia	g.cm <sup>2</sup>	1.00
Number of Pole Pairs	Pairs	6.00
Motor Weight	g	6
Working Temperature	°C	-20 to 80
Peak Demagnetization Temperature	°C	120
Stator Inner Diameter	mm	5
Motor Size	mm	Ø14.9 x 6.25

The above parameters are for reference only and can be customized according to customer requirements.

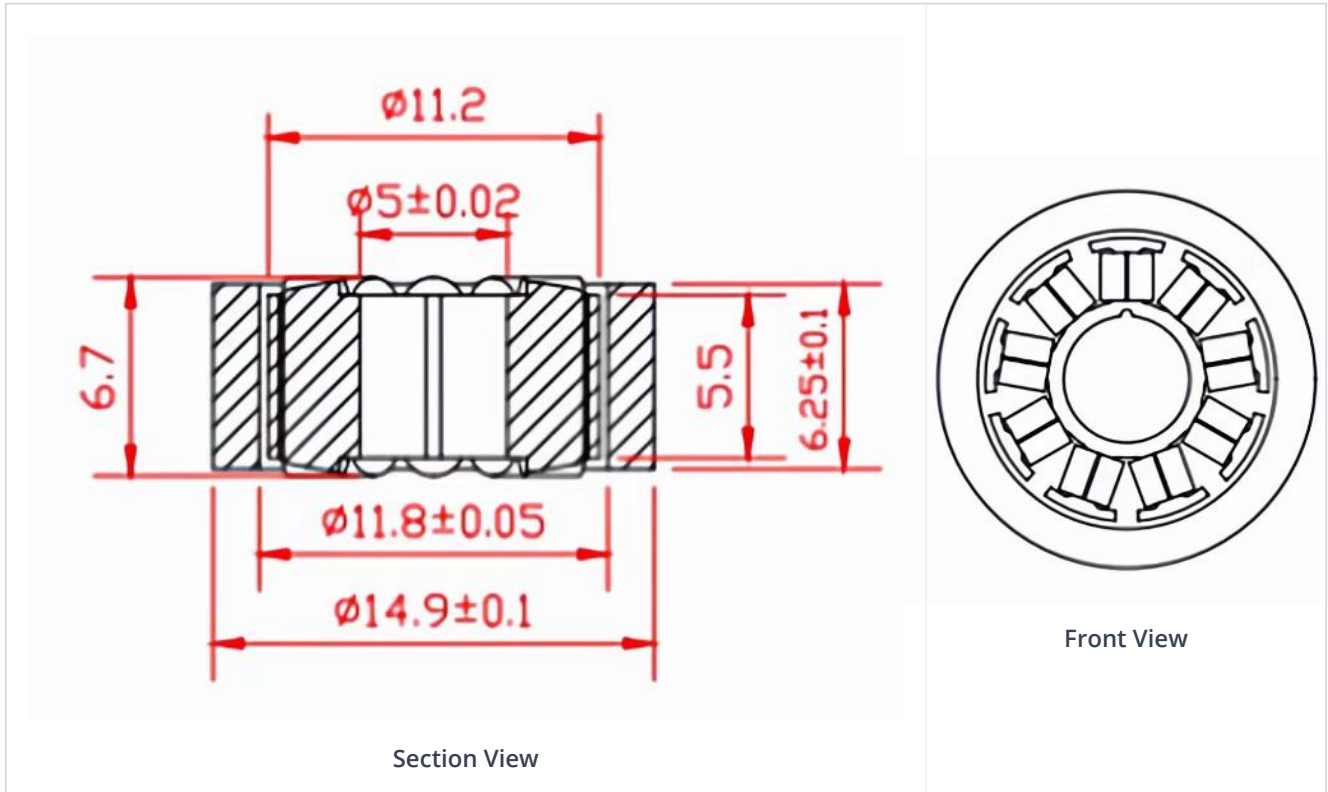
# TSL-BLDC-WK1105

Outer Rotor Frameless Torque Motor | Magnetic Ring Version

Website: micromotorpro.com  
Email: inquiry@micromotorpro.com  
Tel: +86 18318138408

## 2. Magnetic Ring Version - Dimension Drawing

All dimensions are in millimeters unless otherwise specified.



<b>Drawing</b>	TSL-BLDC-WK1105 Magnetic Ring Version
<b>Version</b>	V1.0
<b>Updated</b>	2025-07-10