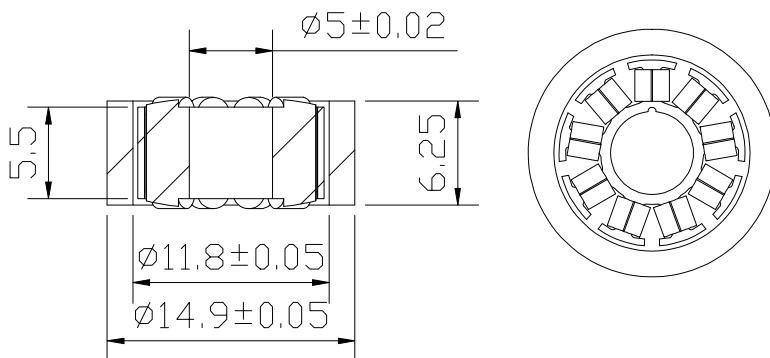


FL1105 Frameless motor

Applications: Collaborative Robots
Exoskeleton Robots Medical Robots
Optoelectronic Turntables



Dimension



Specification

Name	Unit	Type:FL1105
1.Nominal voltage	V	12
2.Nominal current	A	0.59
3.Nominal torque	N.M	0.01
4.Nominal Speed	RPM	850
5.Max Speed	RPM	18057
6.Stall torque	N.M	0.01
7.Stall current	A	0.92
8.Winding turns of motor	T	50
9.Phase resistance	Ω	12.5
10.Phase inductance	mH	1.15
11.Speed constant	rpm/v	108
12.Torque constant	N.M/A	0.01
13.Rotor inertia	gcm ²	15
14.Number of pole pairs	Pairs	6
15.Size	mm	$\phi 14.9 \times 6.25$
16.Motor weight	g	6
17.Working temperature	°C	-20~80
18.Max demagnetize temperature	°C	120