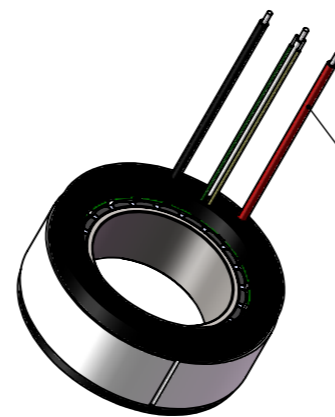
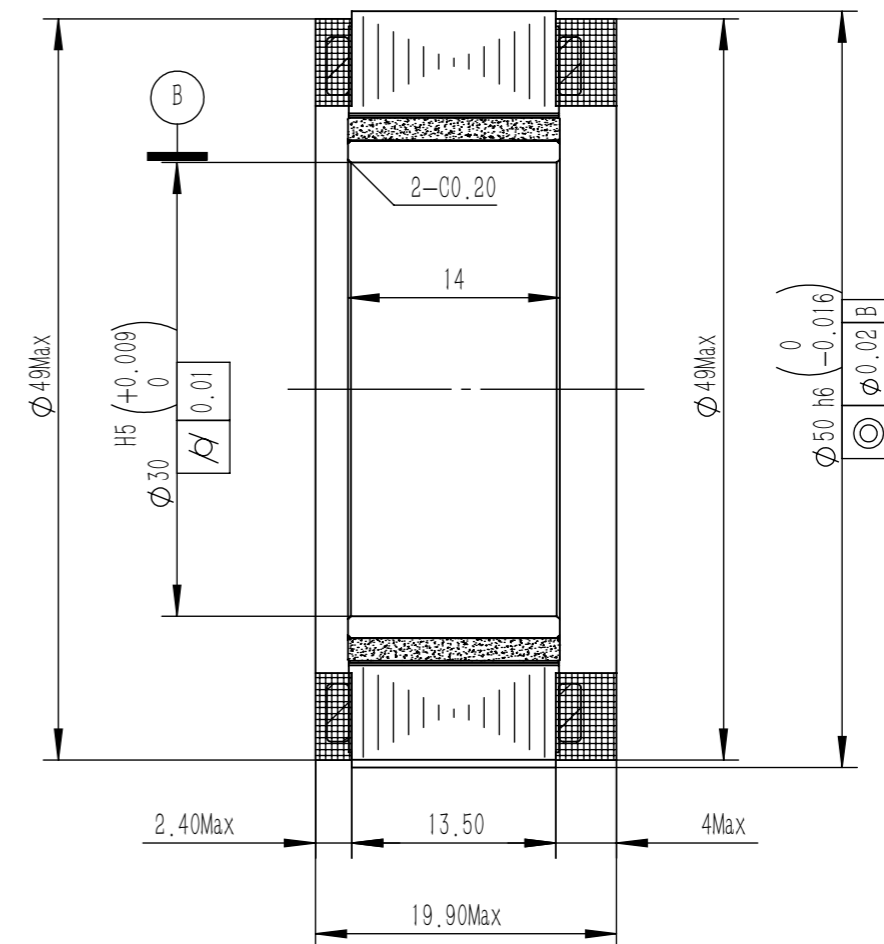


A-A
2:1



Cable: #17AWG red,black,white,corresponding to U, V, W
Wire length 250mm
Temperature control wire: #26AWG, yellow and green wires, length: 250mm
Temperature Coefficient Thermistor: CA-NTC24C018

Model	U5019
DC voltage (VDC)	48
Rated output (W)	85
Rated torque (N.m)	0.27
Rated current(A)	2.5
Rated speed (rpm)	3000
Maximum speed (rpm)	4500
Instant max torque (N.m)	0.8
Instant max current (A)	7.5
Coil resistance (ohms@20°C)	1.4
Coil inductance (mH)	0.74
Torque parameters (Nm/A)	0.108
Back EMF coefficient (Vrms/KRPM)	7.5
Number of pole-pairs (2P)	10
Rotor inertia (Kg.cm ²)	0.076
Winding connection way	Y

								MOSRAC 强和电机			
								Drawing Sign	Version	V1.0	U5019 Frameless Torque Motor
Marker	Place number	Drawing Zone	Rev. No.	Signature	Month-Day-Year			Weight	WI-YF-U5019DJA01		
Designer	ZZY	2025/8/25	Unification					Scale	Qianghe Motor R&D Department		
Checker			Process Engineer								
Technical	CMH	2025/8/25	Approval					Sheet 1 of 1		Perspective	