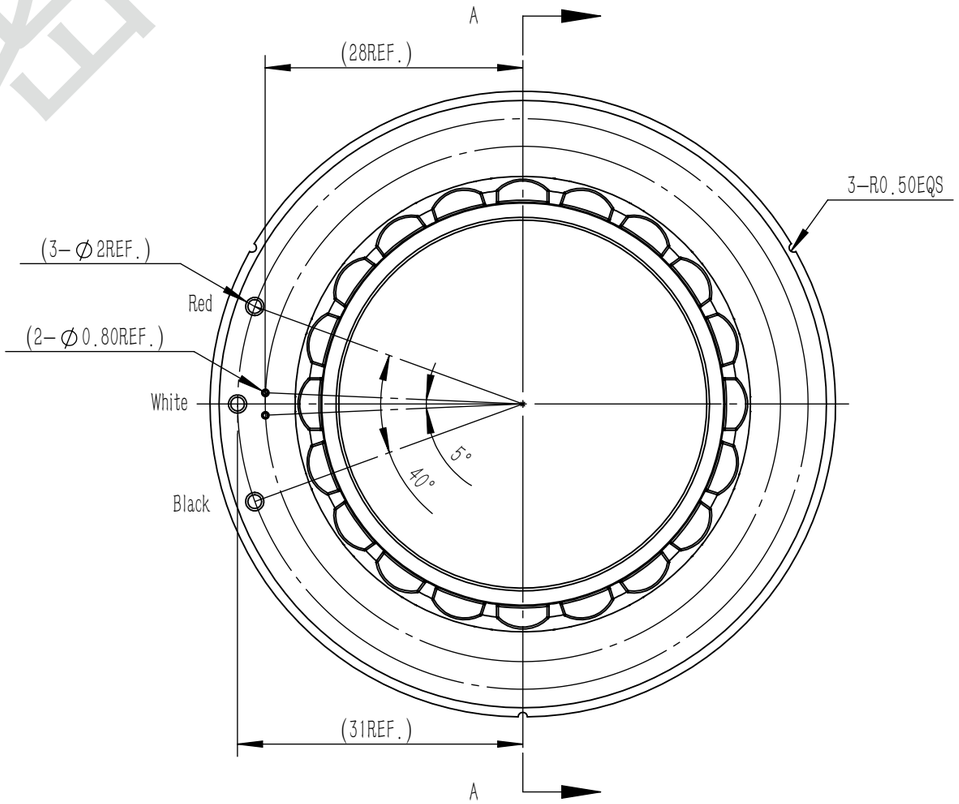
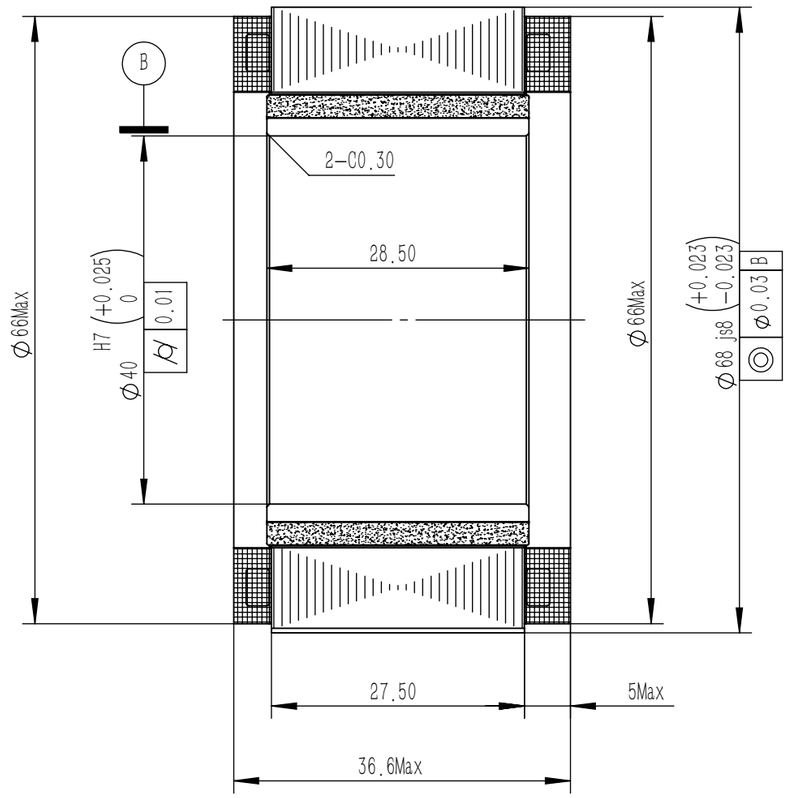
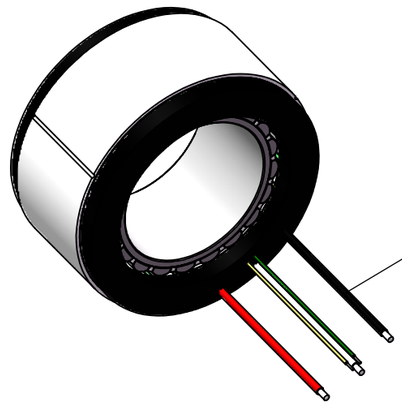
保密



A–A
1.5 : 1



Model	U6836
DC voltage (VDC)	48
Rated output (W)	487
Rated torque (N.m)	1.55
Rated current(A)	12
Rated speed (rpm)	3000
Maximum speed (rpm)	4500
Instant max torque (N.m)	4.65
Instant max current (A)	36
Coil resistance (ohms@20℃)	0.14
Coil inductance (mH)	0.17
Torque parameters (Nm/A)	0.129
Back EMF coefficient (Vrms/KRPM)	7.7
Number of pole-pairs (2P)	10
Rotor inertia (Kg.cm2)	0.68
Winding connection way	Y



Cable: #16AWG 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

								MOSRAC强和电机
						Drawing Sign	Version V1.0	U6836 Frameless Torque Motor
Marker	Place number	Drawing Zone	Rev.No.	Signature	Month-Day-Year		Weight	WI-YF-U6836DJA01
Designer	ZSX	2026/6/2	Unification				Scale	MOSRAC Motor R&D Department
Checker			Process Engineer					Perspective
Technical	LZB	2026/6/2	Approval			Sheet 1 of 1		