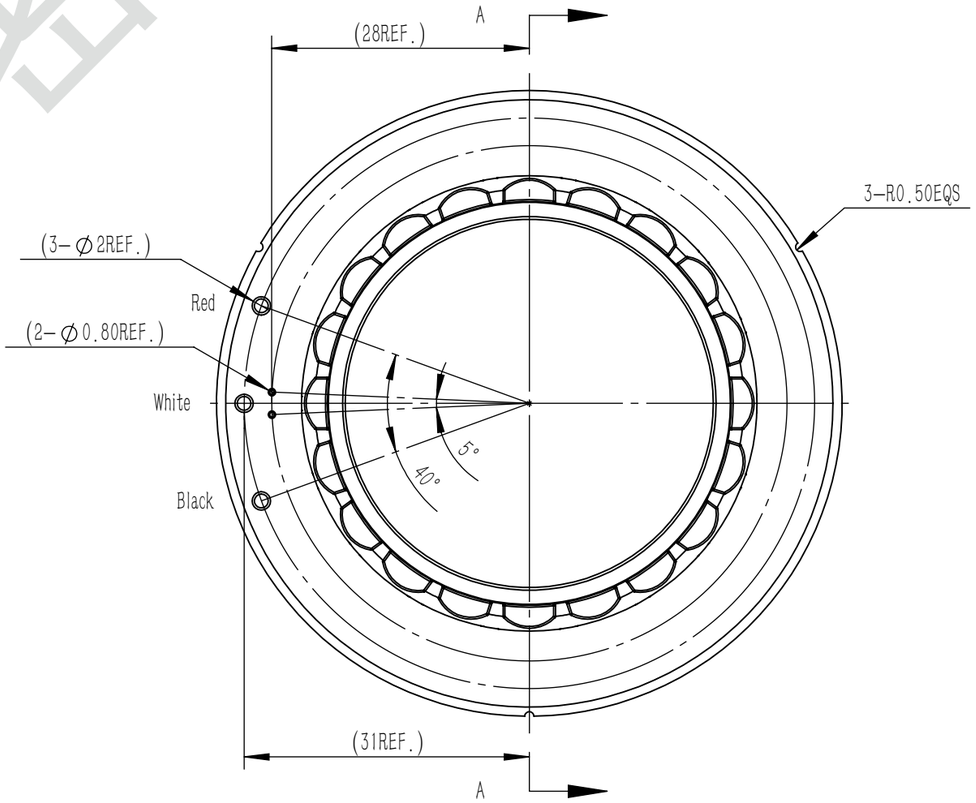
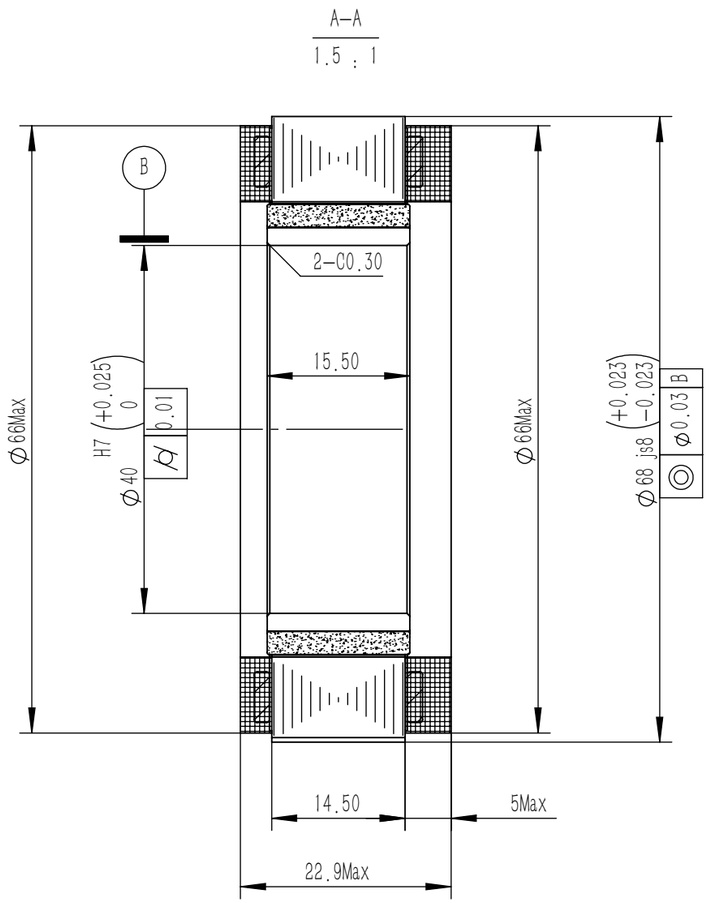
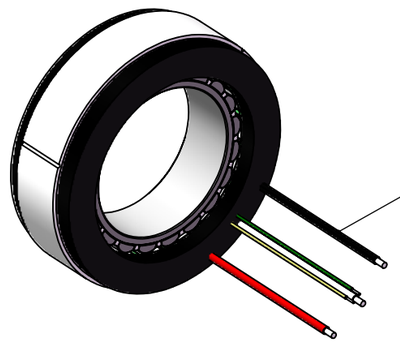
保密





Model	U6822
DC voltage (VDC)	48
Rated output (W)	270
Rated torque (N.m)	0.86
Rated current(A)	8
Rated speed (rpm)	3000
Maximum speed (rpm)	4500
Instant max torque (N.m)	2.5
Instant max current (A)	24
Coil resistance (ohms@20℃)	0.28
Coil inductance (mH)	0.37
Torque parameters (Nm/A)	0.1075
Back EMF coefficient (Vrms/KRPM)	7.3
Number of pole-pairs (2P)	10
Rotor inertia (Kg.cm2)	0.37
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	U6822 Frameless Torque Motor
Marker	Place number	Drawing Zone	Rev.No.	Signature	Month-Day-Year		Weight	WI-YF-U6822DJA01
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		