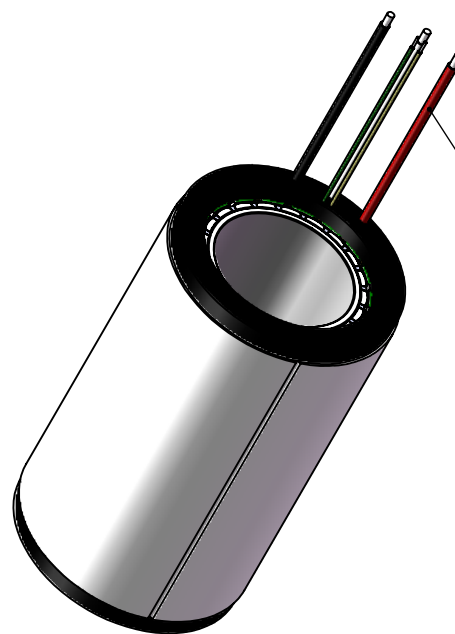
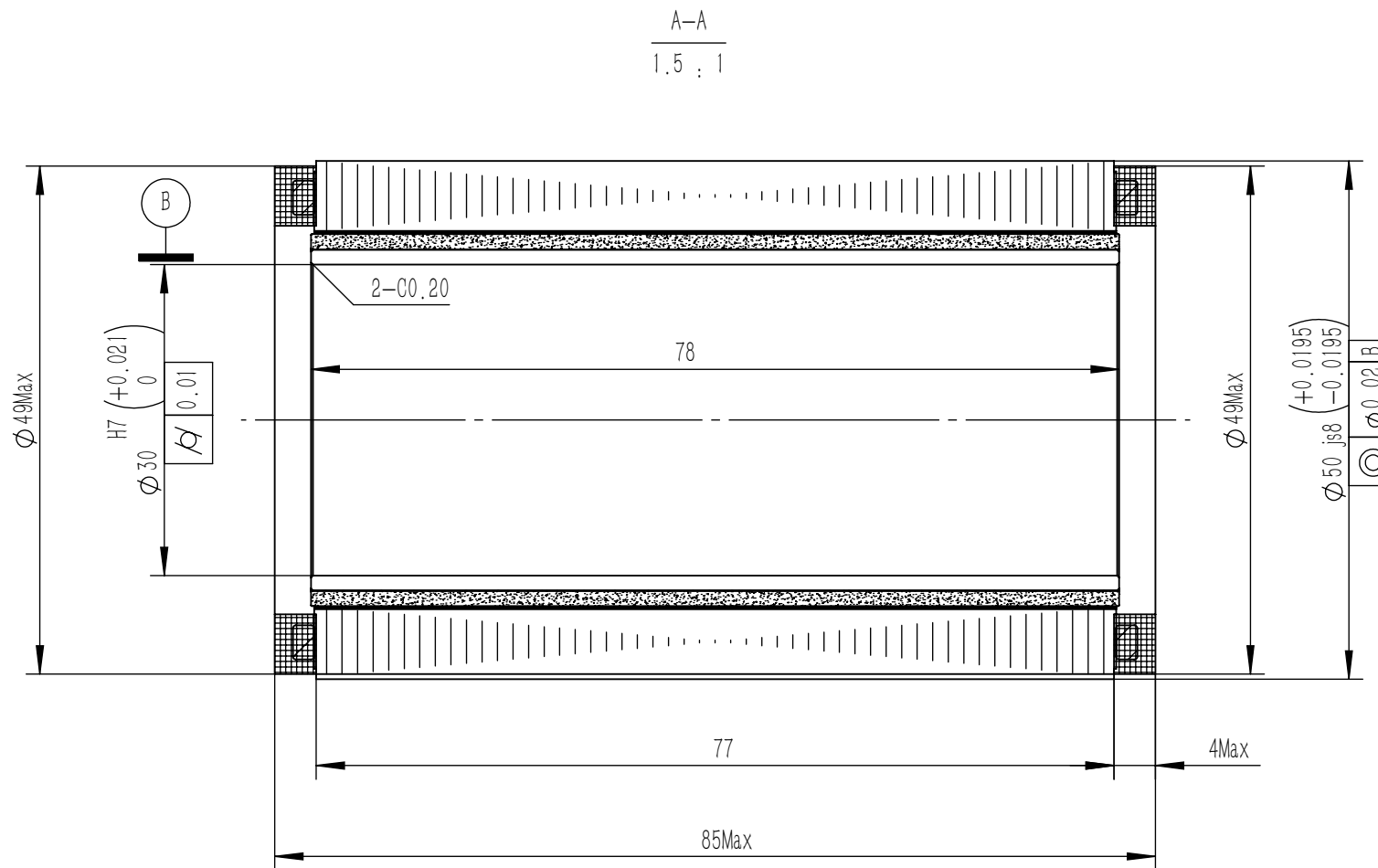
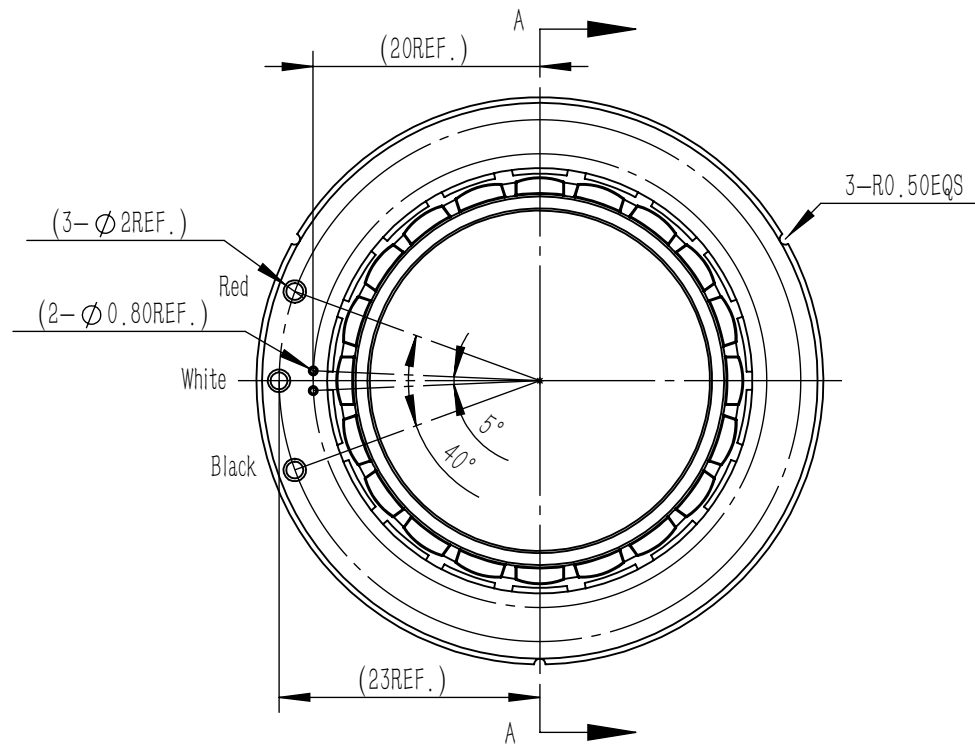
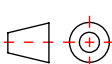




Cable: #16AWG red, black, white, corresponding to U, V, W
Wire length 250mm
Temperature control wire: #26AWG, yellow and green wires, length: 250mm
Temperature Coefficient Thermistor: CA-NTC24C018

Model	U5085
DC voltage (VDC)	48
Rated output (W)	550
Rated torque (N.m)	1.75
Rated current(A)	16
Rated speed (rpm)	3000
Maximum speed (rpm)	4500
Instant max torque (N.m)	5.25
Instant max current (A)	48
Coil resistance (ohms@20℃)	0.108
Coil inductance (mH)	0.1
Torque parameters (Nm/A)	0.109
Back EMF coefficient (Vrms/KRPM)	6.6
Number of pole-pairs (2P)	10
Rotor inertia (Kg.cm2)	0.424
Winding connection way	Y

											MOSRAC强和电机		
						Drawing Sign		Version	V1.0	U5085 Frameless Torque Motor			
Marker	Place number	Drawing Zone	Rev. No.	Signature	Month-Day-Year					Weight		WI-YF-U5085DJA01	
Designer	ZZY	2025/12/19	Unification							Scale		MOSRAC Motor R&D Department	
Checker			Process Engineer								Perspective		
Technical	CMH	2025/12/19	Approval			Sheet 1 of 1							