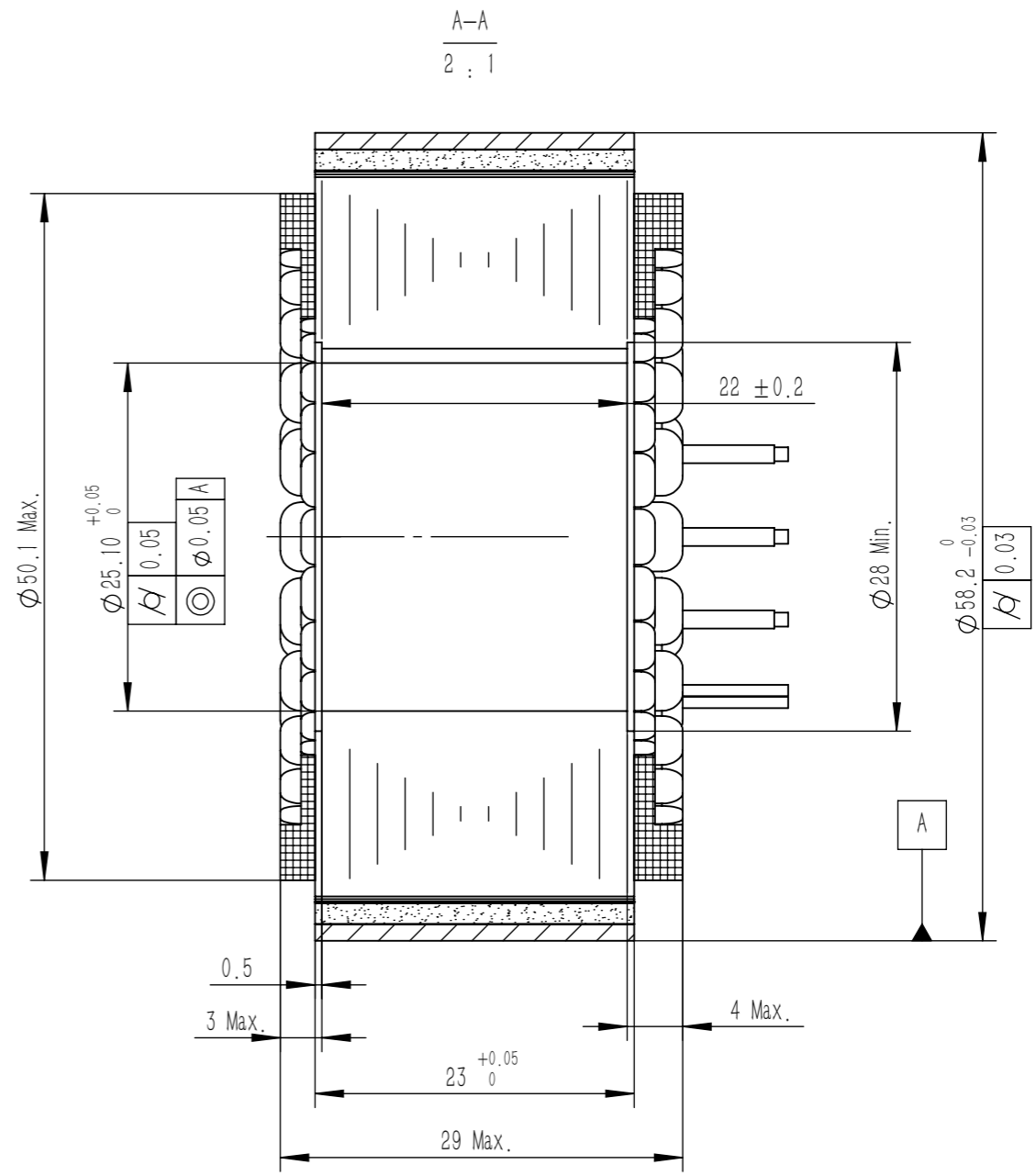
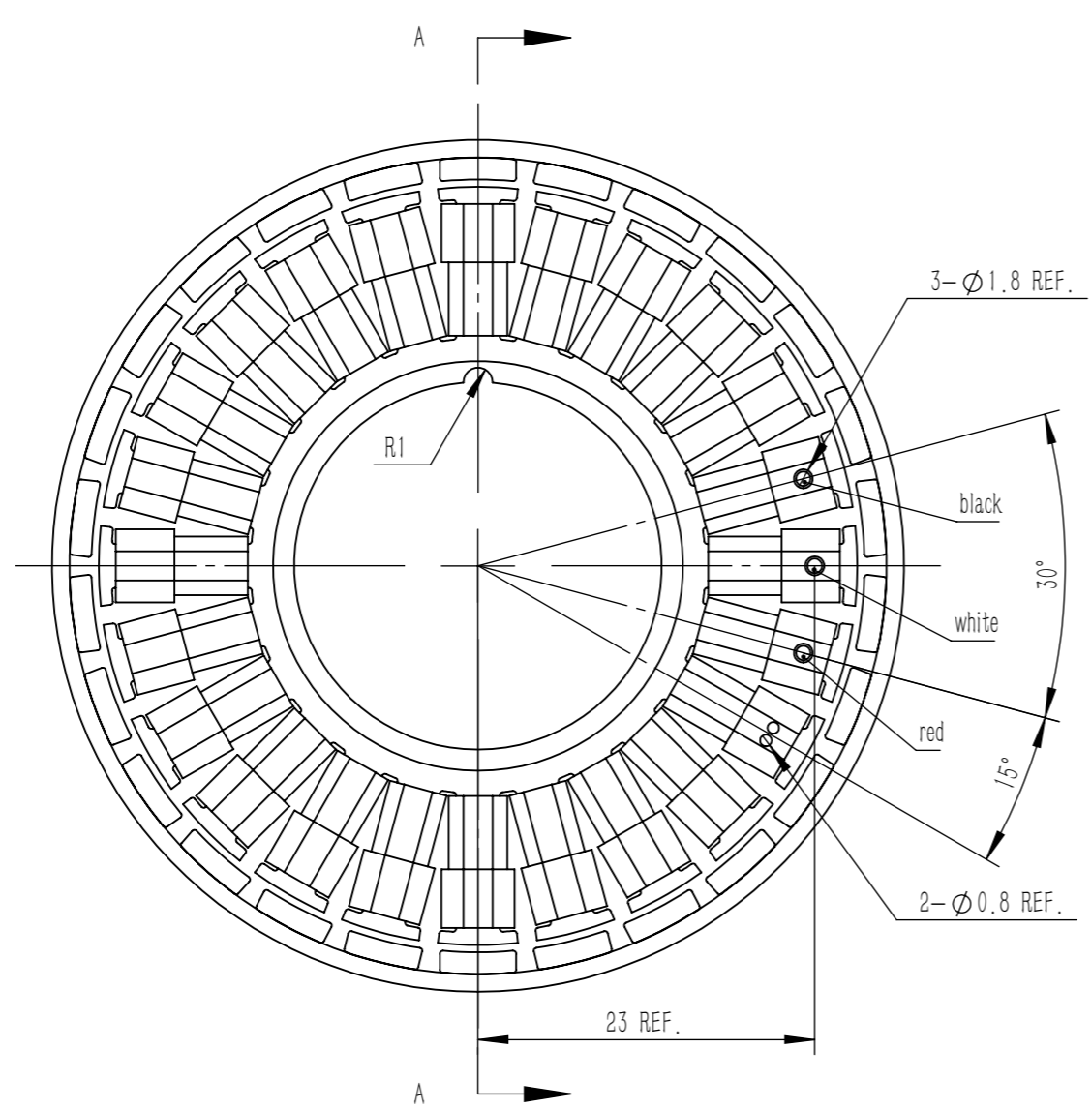
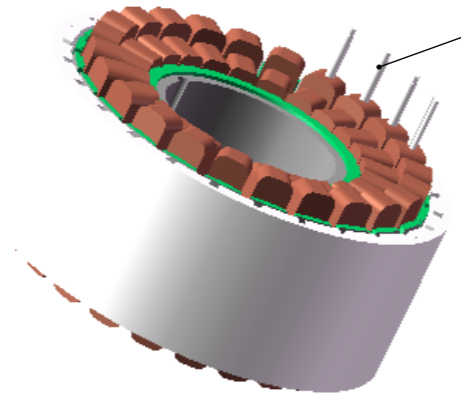


标记	处数	更改内容	版本	签名	时间



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



零件代号

Motor Parameter

Model	UE5829
Voltage (V)	48V DC
Rated output (W)	393.00
Rated torque (Nm)	1.5
Instant max torque (Nm)	3.2
Rated current (Arms)	9
Instant max current (Arms)	20
Rated speed (Rpm)	2500
Max speed (Rpm)	3150
Torque constant (Nm/Arms)	0.17
Rotor inertia (kg.cm ²)	0.42
Back EMF coefficient (V/Krpm)	15.2
Resistance (Ω)	0.46
Inductance (mH)	0.28
Number of pole-pairs (P)	13

Basic Size	Selection Level				Angle
	A	B	C	D	
≤5	±0.02	±0.03	±0.05		0°~30° ±0.1°
>5~20	±0.03	±0.05	±0.1		31°~60°
>20~50	±0.05	±0.1	±0.15		±0.3°
>50~100	±0.1	±0.15	±0.2		61°~90°
>100	±0.1%	±0.15%	±0.2%		±0.5°

No.	WI-UE5829DJA01	Describe	UE5829 Frameless Torque Motor		
Materials		Sheet	A3	Number	1
Date	2026/4/6	Page-	/	Pages-	
Design	Fenghua Wang	MOSRAC			
Check					
Approve					