



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	U5024
DC voltage (VDC)	48
Rated output (W)	141
Rated torque (N.m)	0.45
Rated current(A)	4
Rated speed (rpm)	3000
Maximum speed (rpm)	4500
Instant max torque (N.m)	1.35
Instant max current (A)	12
Coil resistance (ohms@20°C)	0.9
Coil inductance (mH)	0.55
Torque parameters (Nm/A)	0.113
Back EMF coefficient (Vrms/KRPM)	7.5
Number of pole-pairs (2P)	10
Rotor inertia (Kg.cm <sup>2</sup> )	0.098
Winding connection way	Y

								<b>MOSRAC 强和电机</b>			
								Drawing Sign	Version	V1.0	U5024 Frameless Torque Motor
Marker	Place number	Drawing Zone	Rev. No.	Signature	Month-Day-Year			Weight	WI-YF-U5024DJA01		
Designer	ZZY	2025/8/25	Unification					Scale	Qianghe Motor R&D Department		
Checker			Process Engineer								
Technical	CMH	2025/8/25	Approval						Perspective		
								Sheet 1 of 1			