T-4024 Parameters

Parameter	Unit	Value
Basic Parameters		
Motor type		Brushless torque servo motor
Voltage range	V	10~28
Peak torque	N.m	0.15
Rated torque	N.m	0.09
Peak current	A	1.9
Nominal current	A	1.1
Nominal voltage	V	12
Nominal power (source rating)	W	13.2
Outer diameter	mm	40 +/-0.1
Nominal speed	rpm	467
Body height	mm	24 +/-0.1
Motor weight	g	70
Motor Parameters		
Number of pole pairs	Pair	11
Phase resistance	Ohm	3.17
Phase inductance (source unit: Mh)	Mh	0.54
Torque constant	N.m/A	0.08
Speed constant	rpm/V	117
Control Parameters		
No-load maximum speed	rpm	1412
Encoder type		Single-turn absolute
Control resolution	bit	14
Dynamic and Operating Parameters		
Rotor inertia	g*cm^2	65
Working temperature range	deg C	-20~80
Interface Parameters		
Communication interface		RS485 & CAN
Configuration interface		RS485
Supported modes (may vary with firmware version)		
Absolute position mode		Absolute target position control
Speed mode		Target speed and acceleration control
Current (torque) mode		Q-axis current control; torque estimated from current
Relative position mode		Relative displacement control
Status feedback		Position, speed, current and operating status