T-7936 Parameters

Parameter	Unit	Value
Basic Parameters		
Motor type		Brushless torque servo motor
Voltage range	V	12~40
Peak torque	N.m	3.7
Rated torque	N.m	1.2
Peak current	A	16
Nominal current	A	2.9
Nominal voltage	V	24
Nominal power (source rating)	W	69.6
Outer diameter	mm	79 +/-0.1
Nominal speed	rpm	354
Body height	mm	36 +/-0.1
Motor weight	g	418
Motor Parameters		
Number of pole pairs	Pair	21
Phase resistance	Ohm	1
Phase inductance (source unit: Mh)	Mh	0.63
Torque constant	N.m/A	0.41
Speed constant	rpm/V	21.5
Control Parameters		
No-load maximum speed	rpm	516
Encoder type		Single-turn absolute
Control resolution	bit	14
Dynamic and Operating Parameters		
Rotor inertia	g*cm^2	1555
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