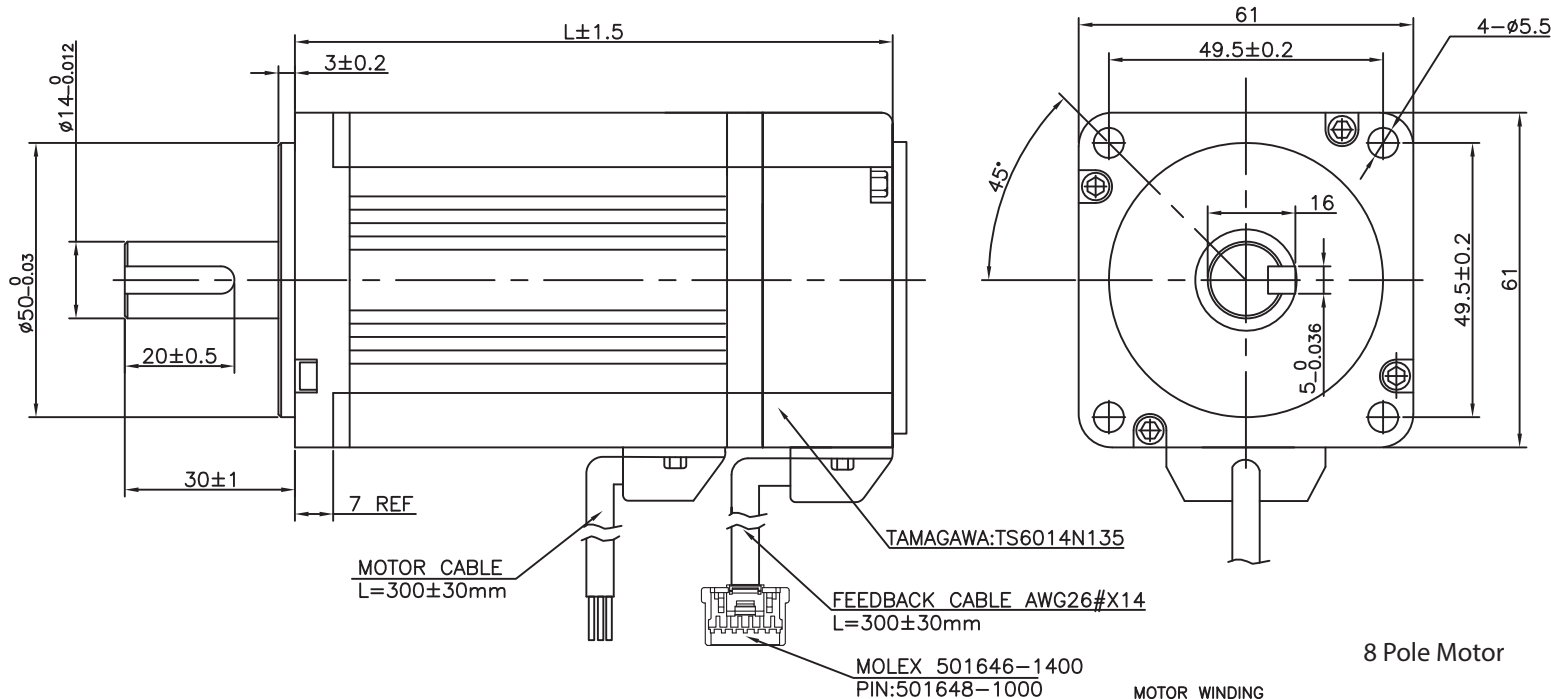


REV	DESCRIPTION	DATE	APPROVE
A	RELEASE	16/11/15	SJQ
B	CORRECT ROTOR INERTIA	17/02/13	QYJ



ENCODER SPECIFICATION	
VOLTAGE	+5VDC±5%
CURRENT	<60mA
FREQUENCY	0~300khz
TEMPERATURE	-30~105°C
ENCODER	2500PPR
OUTPUT WAVEFORMS	
ROTATION:CCW AS VIEWED FROM SHAFT END	

MOTOR PARAMETERS @25°C				
	UNITS	SV060AS-01	SV060AS-02	SV060AS-03
Supply Voltage(reference) (Vs)	VDC	36	36	48
Rated Continuous Torque (Tcr)	Nm	0.30	0.53	1.30
Rated Speed at Cont.Torque (Scr)	R.P.M.	4000	4000	3000
Rated Continuous Stall Current (Ics)	A	5.74	9.84	18.41
Rated Continuous Output Power (Po.c)	W	124	223	410
Motor Constant (Km)	Nm/√w	0.0740	0.0998	0.1408
Torque Constant (KT)	Nm/A	0.0573	0.0573	0.0745
Voltage Constant (KE)	V/krpm	6.0	6.0	7.8
Terminal Resistance (Rmt)	ohms	0.60	0.33	0.28
Inductance (L)	mH	0.64	0.35	0.33
Rated Peak Current (Ipr)	A	22.11	30.78	56.89
Rated Peak Torque (Tpr)	Nm	1.20	1.69	4.05
Coulomb Friction Torque (Tf)	Nm	0.0100	0.017	0.025
Insulation Class		F	F	F
Rotor Inertia (Jr)	Kg.cm ²	0.1	0.15	0.29
Motor Weight (Wm)	Kg	0.85	1.08	1.54
Feedback Device		2500p/rev incremental encoder		
Motor Length (Lm)	mm	101	113	141

MOTOR WINDING CONFIGURATION		
GRN PHASE_V	YEL PHASE_U	BLU PHASE_W
Cable Side View		
PIN	COLOR	SIGNAL
1	YEL	U
2	GRN	V
3	BLUE	W
4	YEL/GRN	GND

ENCODER CONNECTIONS		
PIN	COLOR	SIGNAL
1	BLK	GND
2	RED	+5v
3	BLU/BLK	A-
4	BLU	A+
5	GRN/BLK	B-
6	GRN	B+
7	YEL/BLK	Z-
8	YEL	Z+
9	BRN/BLK	U-
10	BRN	U+
11	WHT/BLK	V-
12	WHT	V+
13	GRA/BLK	W-
14	GRA	W+

NOTE: THIS DRAWING HAS BEEN CREATED BY AUTOCAD. MANUAL REVISIONS ARE NOT ALLOWED.

MATERIAL		TOLERANCE UNLESS OTHERWISE SPECIFIED ISO 2768-1 MEDIUM			
DRAWN XXX	CHECKED XXX	APPROVED - DATE	FILENAME N/A	DATE XXX	SCALE N/A
		BRUSHLESS SERVO MOTOR			
		SV060AS-0X			
					SHEET 1/1