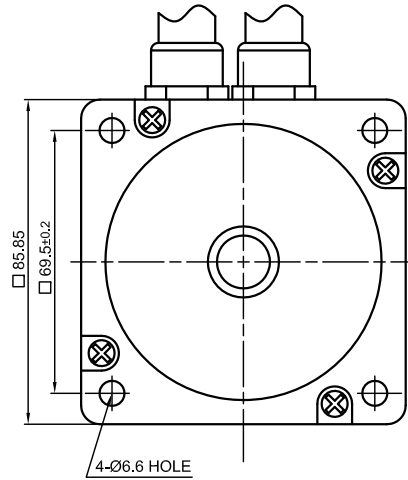
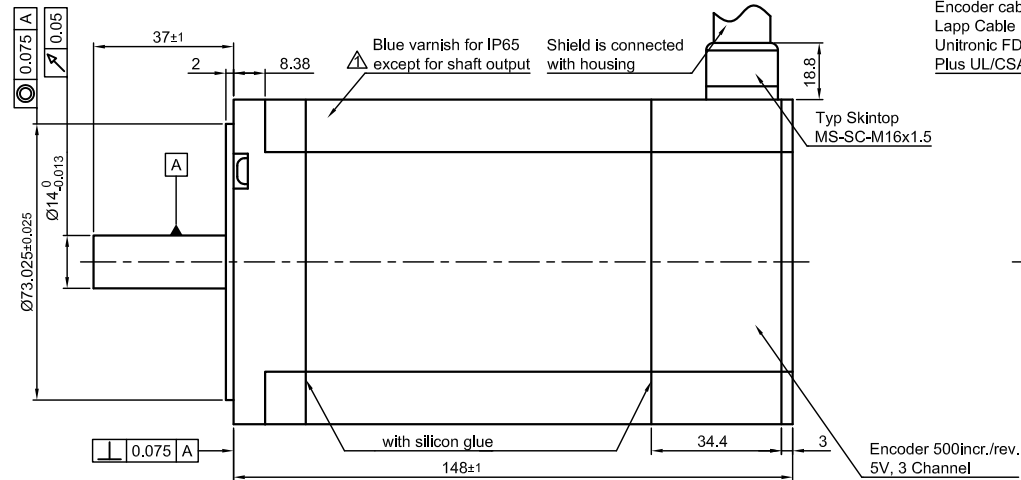


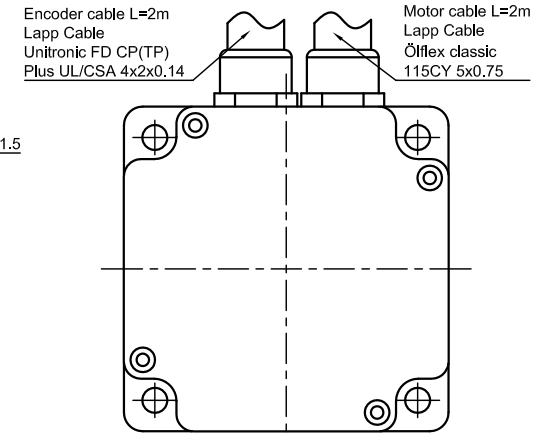
Front view and mounting



Side view



Rear view



CONNECTION		BIPOLAR PARALLEL	PERMISSIBLE RADIAL+AXIAL FORCE				CABLE MOTOR		M16 ENCODER												
SPECIFICATION							No.	ASSIGNMENT	No.	COLOR	ASSIGNMENT										
VOLTAGE (VDC)		2.18	AXIAL-FORCE F_a (N)				1	A	1	WHT	A										
AMPS/PHASE		9.5	<table border="1"> <tr> <td>$F_a=65$</td> <td>5</td> <td>10</td> <td>15</td> <td>20</td> </tr> <tr> <td>RADIAL-FORCE F_r (N)</td> <td>535</td> <td>355</td> <td>256</td> <td>200</td> </tr> </table>				$F_a=65$	5	10	15	20	RADIAL-FORCE F_r (N)	535	355	256	200	2	A\	2	BRN	A\
$F_a=65$	5	10	15	20																	
RADIAL-FORCE F_r (N)	535	355	256	200																	
RESISTANCE/PHASE (Ohms)@25°C		0.23±15%	DISTANCE a (mm)				3	B	3	GRN	B										
INDUCTANCE/PHASE (mH) @1KHz		2.7±20%	SHAFT PLAY (mm)				4	B\	4	YEL	B\										
HOLDING TORQUE (Nm) [lb-in]		9.33 [82.57]	AT LOAD MAX: (N)				5	GND/YEL-GRN	5	GRY	GND										
DETENT TORQUE (Nm) [lb-in]		0.2 [1.7]	AXIAL				HOUSING	GND/SHIELDING	6	PINK	I										
STEP ANGLE (°) ± STEP ACCURACY		1.8 ± 5% (NON-ACCUM)	RADIAL				7		7	BLU	I\										
BACK-EMF (V) (300 U/min)		26	SCALE FREE				8		8	RED	Vcc										
ROTOR INERTIA (Kg-m ²) [lb-in ²]		3.0x10 ⁻⁴ [1.025]	APVD																		
WEIGHT (Kg) [lb]		4.7 [10.36]	S.H.a.																		
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)			CHKD																		
AMBIENT TEMPERATURE -10°~ 50°C [14°F ~ 122°F]			DRN																		
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)			SIGNATURE																		
INSULATION CLASS B 130° [266°F]			DATE																		
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)																					
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)																					

1	RESTRICTION SUP.+EMF+WEIGHT	18.02.10	J.W.	 Nanotec [®] PLUG & DRIVE	SCALE FREE	APVD	S.H.a.	13.11.08	STEPPER MOTOR IN PROTECTION DWG.NO AP8918L9504-E
REV	DESCRIPTION	DATE	APVD		AP8918L9504-E	X ±0.5	CHKD		
					1PL ±0.2	DRN	J.W.	13.11.08	
					2PL ±0.1				
					ANGLE ±30'				