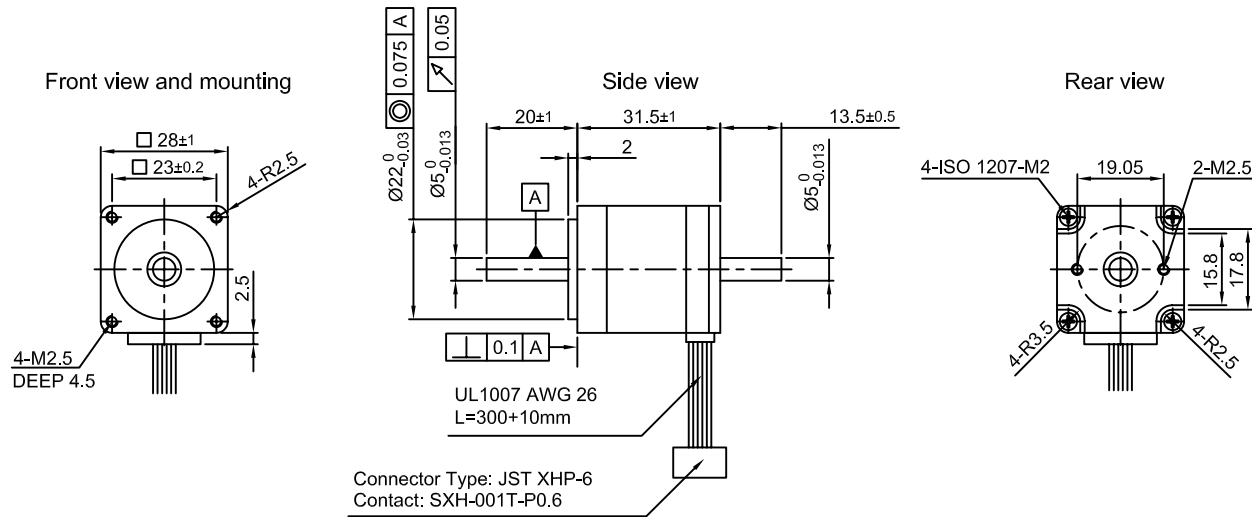




SPECIFICATION		CONNECTION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR SERIAL	PERMISSIBLE RADIAL+AXIAL FORCE					TYPE OF CONNECTION (EXTERN)		MOTOR																																	
VOLTAGE (VDC)			2.66		3.75	ROTOR SPRING-MOUNTED IN AXIAL DIRECTION SPRING WASHER BEARING Fr Fa a					UNIPOLAR	BIPOLAR		CONNECTOR PIN NO.	LEADS	WINDING																													
AMPS/PHASE			0.95		0.67						A	1WINDING	A	1	BLK	A																													
RESISTANCE/PHASE (Ohms)@25°C			2.8±15%		5.6±15%						COM		COM	5	YEL	COM																													
INDUCTANCE/PHASE (mH) @1KHz			1.0±20%		4.0±20%						A\		A\	3	GRN	A\																													
HOLDING TORQUE (Nm) [lb-in]		△1	0.043 [0.381]		0.061 [0.538]						B		B	2	RED	B																													
DETENT TORQUE (Nm) [lb-in]			2.5x10 ⁻³ [0.0222]								COM		COM	6	WHT	COM																													
STEP ANGLE (°)			1.8								B\		B\	4	BLU	B\																													
STEP ACCURACY (NON-ACCUM)			±5%								for >speed ← for <speed ← FULL STEP 2 PHASE-Ex., WHEN FACING MOUNTING END (X) <table><tr><th>STEP</th><th>A</th><th>B</th><th>A\</th><th>B\</th><th colspan="2">CCW</th></tr><tr><td>1</td><td>+</td><td>+</td><td>-</td><td>-</td><td rowspan="4">↓</td><td rowspan="4">↑</td></tr><tr><td>2</td><td>-</td><td>+</td><td>+</td><td>-</td></tr><tr><td>3</td><td>-</td><td>-</td><td>+</td><td>+</td></tr><tr><td>4</td><td>+</td><td>-</td><td>-</td><td>+</td></tr></table> ↑ CW						STEP	A	B	A\	B\	CCW		1	+	+	-	-	↓	↑	2	-	+	+	-	3	-	-	+	+	4	+	-	-	+
STEP	A	B	A\	B\	CCW																																								
1	+	+	-	-	↓												↑																												
2	-	+	+	-																																									
3	-	-	+	+																																									
4	+	-	-	+																																									
ROTOR INERTIA (Kg-m ²) [lb-in ²]			9x10 ⁻⁷ [3.074x10 ⁻³]																																										
WEIGHT (Kg) [lb]			0.11 [0.242]																																										
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)					AXIAL-FORCE Fa (N)	Fa=7		WIRING DIAGRAM (A)BLK (COM)YEL (A)GRN (B)RED (COM)WHT (B)BLU																																					
AMBIENT TEMPERATURE -10~ 50°C [14°F ~ 122°F]					DISTANCE a (mm)	5	10						15	20																															
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)					RADIAL-FORCE Fr (N)	58	36						26	20																															
INSULATION CLASS B 130° [266°F]						AXIAL							RADIAL																																
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)					SHAFT PLAY (mm)	0.075		0.025		STEPPING MOTOR																																			
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)					AT LOAD MAX: (N)	10		5.0																																					
					NANOTEC:		SCALE FREE		APVD	S.K.	06.06.06	DWG.NO																																	
					ST2818S1006-B		X	±0.5	CHKD																																				
1		VALUES ADAPTED	14.12.07	J.W.			1PL	±0.2	DRN	J.W.	06.06.06																																		
REV		DESCRIPTION	DATE	APVD			2PL	±0.1	SIGNATURE		DATE																																		
					ANGLE	±30'					ST2818S1006-B																																		

