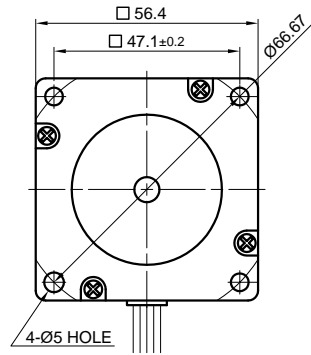
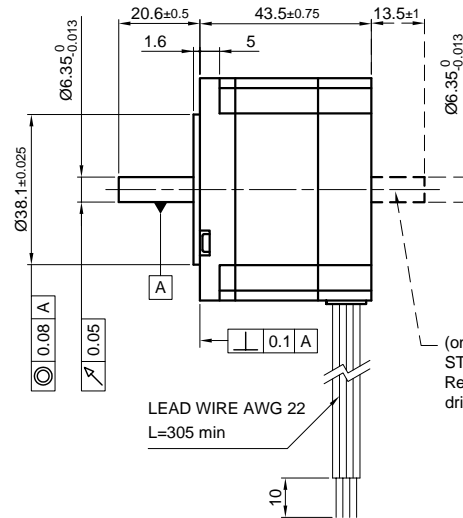


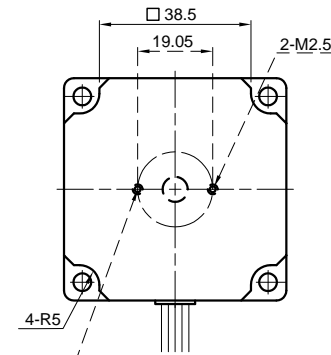
Front view and mounting



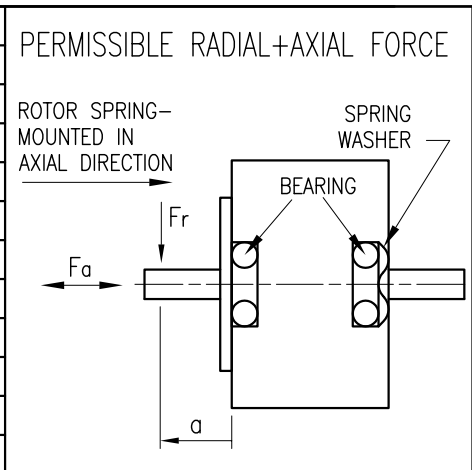
Side view



Rear view

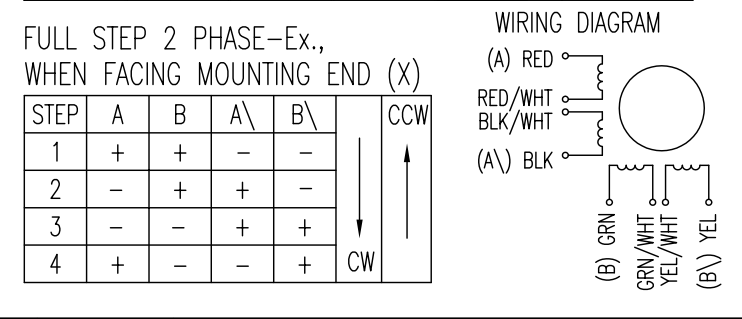


SPECIFICATION	CONNECTION		BIPOLAR	
	UNIPOLAR OR BIPOLAR-1 WINDING		SERIAL	PARALLEL
VOLTAGE (VDC)	2.13			
AMPS/PHASE	2.5		1.77	3.53
RESISTANCE/PHASE (Ohms)@25°C	0.85±15%		1.7±15%	0.43±15%
INDUCTANCE/PHASE (mH) @1KHz	1.0±20%		4.0±20%	1.0±20%
HOLDING TORQUE (Nm) [lb-in]	0.43 [3.806]		0.608 [5.381]	0.608 [5.381]
DETENT TORQUE (Nm) [lb-in]	0.0129 [0.114]			
STEP ANGLE (°)	0.9			
STEP ACCURACY (NON-ACCUM)	±5%			
ROTOR INERTIA (Kg-m ²) [lb-in ²]	1.2x10 ⁻⁵ [0.041]			
WEIGHT (Kg) [lb]	0.45 [0.992]			



TYPE OF CONNECTION (EXTERN)	BIPOLAR				MOTOR	
	UNIPOLAR	1WINDING	SERIAL	PARALLEL	LEADS	WINDING
A ---	A ---	A ---	A ---	RED	A	
COM ---				RED/WHT		
A\ ---		A\ ---	A\ ---	BLK	A\	
B ---	B ---	B ---	B ---	GRN	B	
COM ---				GRN/WHT		
B\ ---		B\ ---	B\ ---	YEL/WHT	B\	
				YEL		

TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)	AXIAL-FORCE Fa (N)	Fa=10	
AMBIENT TEMPERATURE -10°~ 50°C [14°F ~ 122°F]	DISTANCE a (mm)	5	10
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)	RADIAL-FORCE Fr (N)	130	90
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
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)	AT LOAD MAX: (N)	10	5.0



REV	DESCRIPTION	DATE	APVD	NANOTEC:	SCALE FREE	APVD	S.Hα.	15.01.07	STEPPING MOTOR
				ST5709X2508	X ±0.5	CHKD			
					1PL ±0.2	DRN	J.W.	05.07.06	DWG.NO
					2PL ±0.1	SIGNATURE		DATE	ST5709X2508
					ANGLE ±30'				