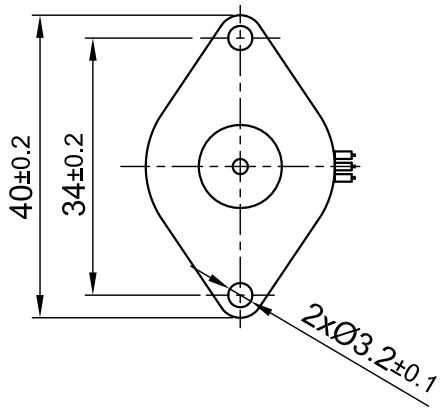
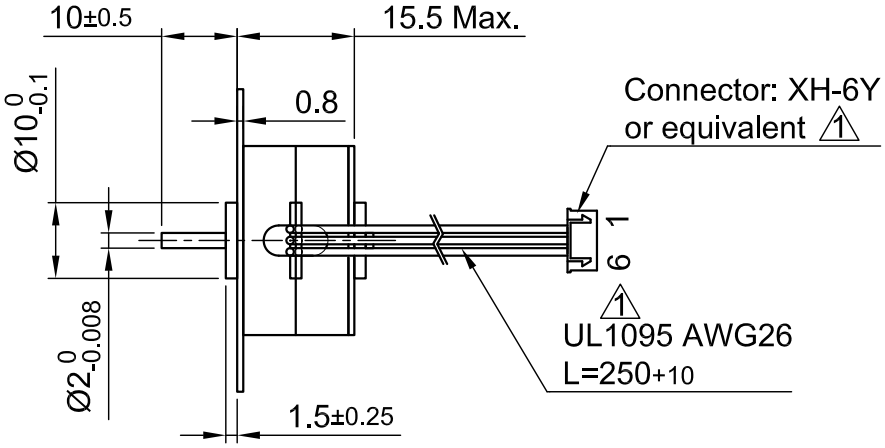
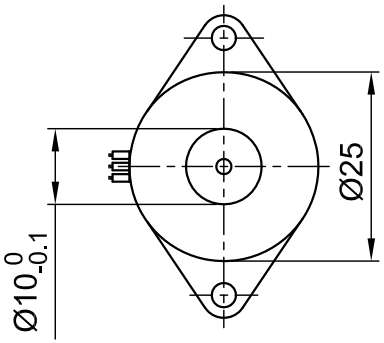
Front view and mounting



Side view



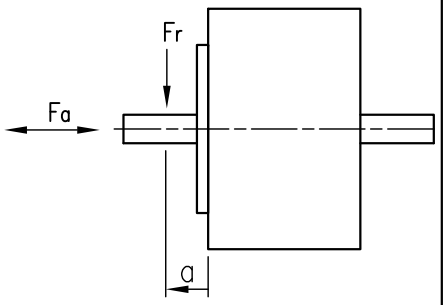
Rear view



SPECIFICATION \ CONNECTION	UNIPOLAR OR BIPOLAR–1 WINDING	BIPOLAR SERIAL
VOLTAGE (VDC)	12	17
AMPS/PHASE	0.24	0.17
RESISTANCE/PHASE (Ohms)@25°C	50±10%	100±10%
INDUCTANCE/PHASE (mH) @1KHz 1	12±20%	64±20%
HOLDING TORQUE (Nm) [lb-in] 1	0.011 [0.098]	0.016 [0.139]
DETENT TORQUE (Nm) [lb-in]	4.0×10^{-3} [0.035]	
STEP ANGLE (°)	7.5	
STEP ACCURACY (NON-ACCUM)	±7%	
ROTOR INERTIA (Kg-m²) [lb-in²]	1.0×10^{-7} [3.416×10^{-4}]	
WEIGHT (Kg) [lb]	0.036 [0.079]	

TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)
AMBIENT TEMPERATURE −10°~ 40°C [14°F ~ 104°F] 1
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)
INSULATION CLASS E 120°C [248°F] 1
DIELECTRIC STRENGTH 650VAC FOR 2 SEC. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE) 1
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)

PERMISSIBLE RADIAL+AXIAL FORCE



AXIAL-FORCE Fa (N)	Fa=1.5	
DISTANCE a (mm)	1/2 SCHAFTLENGTH	
RADIAL-FORCE Fr (N)	Fr=3.0	
	AXIAL	RADIAL
SHAFT PLAY (mm)	0.08	0.06
AT LOAD MAX: (N)	4.5	4.5

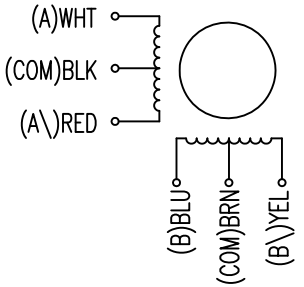
TYPE OF CONNECTION (EXTERN)			MOTOR		
UNIPOLAR	BIPOLAR 1WINDING	BIPOLAR SERIAL	CONNECTOR PIN NO.	LEADS	WINDING
A	A	A	1	WHT	A
COM	COM		5	BLK	COM
A\		A\	3	RED	A\
B	B	B	2	BLU	B
COM	COM		6	BRN	COM
B\		B\	4	YEL	B\

for >speed
for <speed

FULL STEP 2 PHASE-Ex.,
WHEN FACING MOUNTING END (X)

STEP	A	B	A\	B\		CCW
1	+	+	−	−		
2	−	+	+	−		
3	−	−	+	+		
4	+	−	−	+	CW	

WIRING DIAGRAM



REV	DESCRIPTION	DATE	APVD
1	DRAWING UPDATED	22.07.09	J.W.

Nanotec® PLUG & DRIVE

SP2575M0206-A

SCALE FREE		APVD	S.Ha.	12.03.07
X	±0.5	CHKD		
1PL	±0.2	DRN	J.W.	08.11.06
2PL	±0.1	SIGNATURE		DATE
ANGLE	±30'			

STEPPING MOTOR

DWG.NO SP2575M0206-A