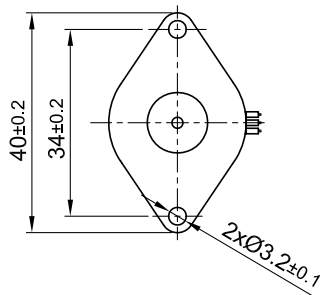
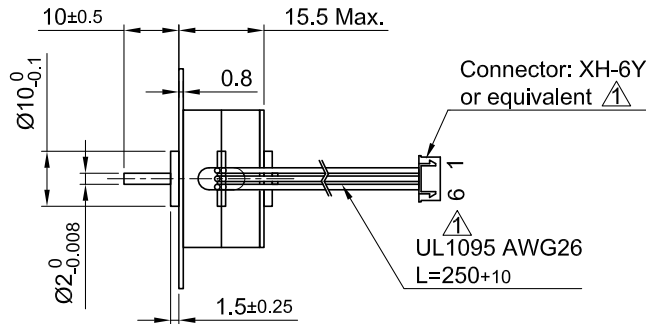


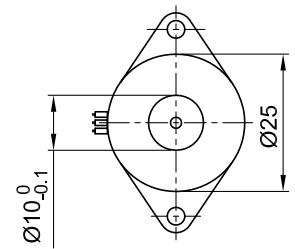
Front view and mounting



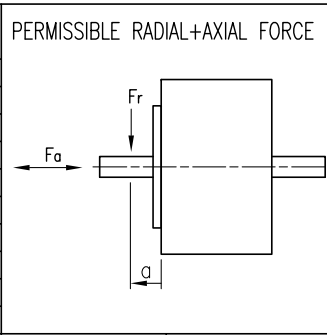
Side view



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		12±20%	64±20%
HOLDING TORQUE (Nm) [lb-in]		0.011 [0.098]	0.016 [0.139]
DETENT TORQUE (Nm) [lb-in]		4.0x10 <sup>-3</sup> [0.035]	
STEP ANGLE (°)		7.5	
STEP ACCURACY (NON-ACCUM)		±7%	
ROTOR INERTIA (Kg-m <sup>2</sup> ) [lb-in <sup>2</sup> ]		1.0x10 <sup>-7</sup> [3.416x10 <sup>-4</sup> ]	
WEIGHT (Kg) [lb]		0.036 [0.079]	

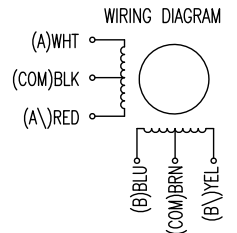


UNIPOLAR	TYPE OF CONNECTION (EXTERN)		MOTOR		
	1WINDING	BIPOLAR SERIAL	CONNECTOR PIN NO.	LEADS	WINDING
A	A	A	1	WHT	A
COM	COM	COM	5	BLK	COM
A\	A\	A\	3	RED	A\
B	B	B	2	BLU	B
COM	COM	COM	6	BRN	COM
B\	B\	B\	4	YEL	B\

for >speed ←  
for <speed ←

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

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



TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)	AXIAL-FORCE Fa (N)	Fa=1.5
AMBIENT TEMPERATURE -10°~ 40°C [14°F ~ 104°F]	DISTANCE a (mm)	1/2 SCHAFTLENGTH
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)	RADIAL-FORCE Fr (N)	Fr=3.0
INSULATION CLASS E 120°C [248°F]	AXIAL	RADIAL
DIELECTRIC STRENGTH 650VAC FOR 2 SEC. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)	SHAFT PLAY (mm)	0.08 0.06
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)	AT LOAD MAX: (N)	4.5 4.5

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

**Nanotec**  
PLUG & DRIVE

SP2575M0206-A

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

**STEPPING MOTOR**

DWG.NO SP2575M0206-A