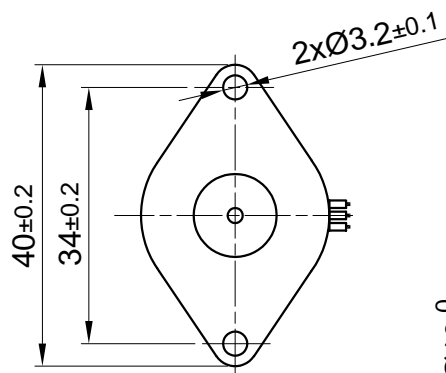
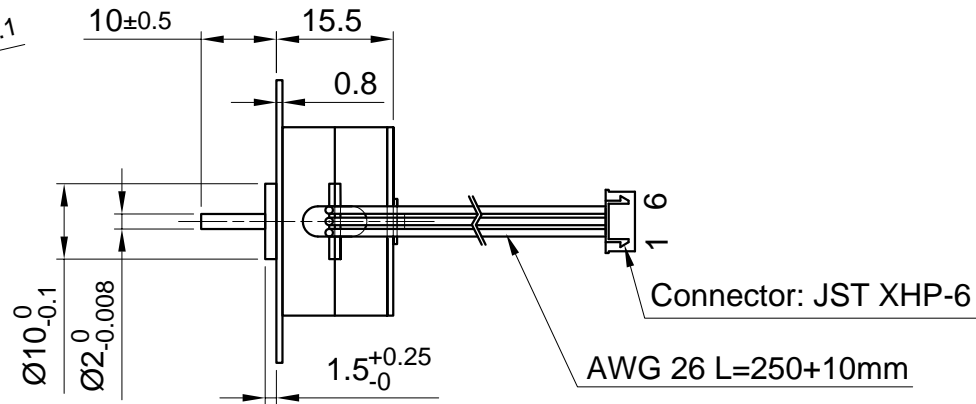


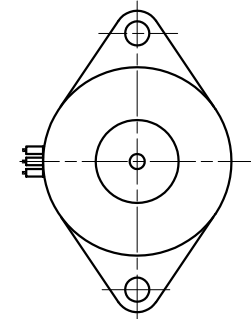
Front view and mounting



Side view



Rear view



SPECIFICATION	CONNECTION		PERMISSIBLE RADIAL+AXIAL FORCE		TYPE OF CONNECTION (EXTERN)		MOTOR				
	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR SERIAL			UNIPOLAR	BIPOLAR		CONNECTOR PIN NO.	LEADS	WINDING	
VOLTAGE (VDC)	5.0	7.0			A	A	A	1	WHT	A	
AMPS/PHASE	0.5	0.35			COM	COM	COM	5	BLK	COM	
RESISTANCE/PHASE (Ohms)@25°C	10±10%	20±10%			A\	A\	A\	3	RED	A\	
INDUCTANCE/PHASE (mH) @1KHz	2.0±20%	8.0±20%			B	B	B	2	BLU	B	
HOLDING TORQUE (Nm) [lb-in]	0.014 [0.124]	0.020 [0.175]			COM	COM	COM	6	BRN	COM	
DETENT TORQUE (Nm) [lb-in]	5.5x10 ⁻³ [0.048]				B\	B\	B\	4	YEL	B\	
STEP ANGLE (°)	7.5										
STEP ACCURACY (NON-ACCUM)	±8%										
ROTOR INERTIA (Kg-m ²) [lb-in ²]	1x10 ⁻⁷ [3.416x10 ⁻⁴]										
WEIGHT (Kg) [lb]	0.036 [0.079]										
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)			AXIAL-FORCE Fa (N)	Fa=1.5							
AMBIENT TEMPERATURE -20~ 50°C [-4°F ~ 122°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 B 130° [266°F]				AXIAL	RADIAL						
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (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						
			NANOTEC:		SCALE FREE	APVD	S.Hα.	12.03.07	STEPPING MOTOR		
			SP2575M0506-A		X ±0.5	CHKD					
REV	DESCRIPTION	DATE	APVD		1PL ±0.2	DRN	J.W.	08.11.06	DWG.NO	SP2575M0506-A	
					2PL ±0.1	SIGNATURE	DATE				
					ANGLE ±30'						

for >speed ←
for <speed ←

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

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

