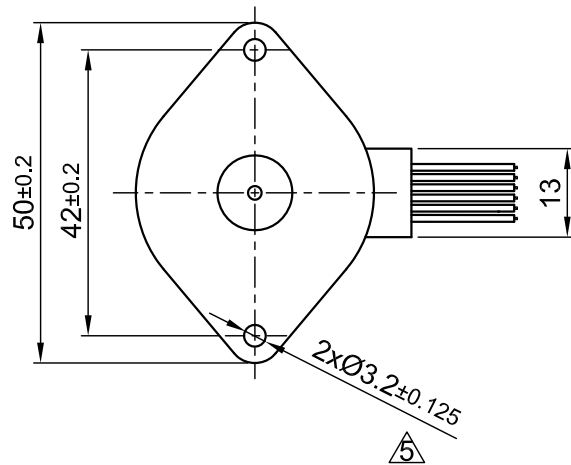
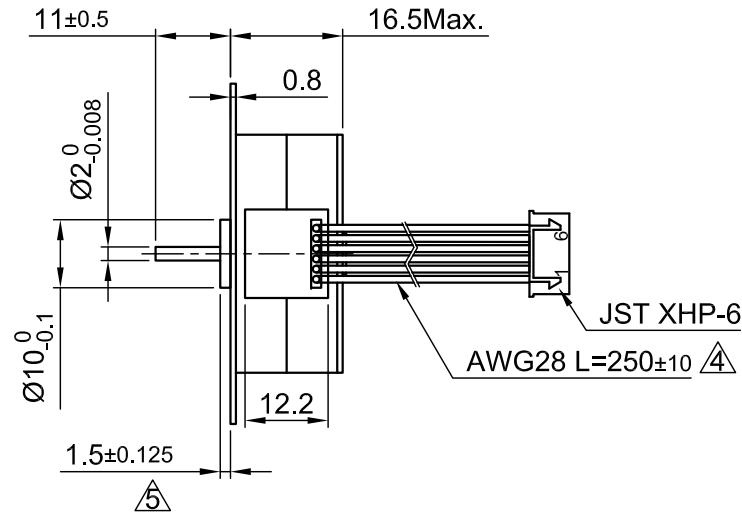


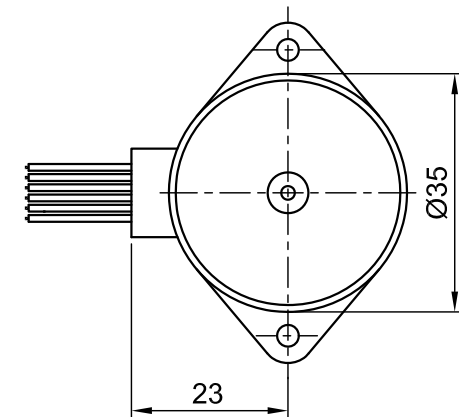
Front view and mounting



Side view



Rear view



SPECIFICATION	CONNECTION	
	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR SERIAL
VOLTAGE (VDC)	5.0	7.0
AMPS/PHASE	0.5	0.35 $\Delta$
RESISTANCE/PHASE (Ohms)@25°C	10±10% $\Delta$	20±10%
INDUCTANCE/PHASE (mH) @1KHz	3.8±20% $\Delta$	15.2±20% $\Delta$
HOLDING TORQUE (Nm) [lb-in]	0.04 [0.354] $\Delta$	0.057 [0.504]
DETENT TORQUE (Nm) [lb-in]	7.0x10 <sup>-4</sup> [0.06] $\Delta$	
STEP ANGLE (°)	7.5	
STEP ACCURACY (NON-ACCUM)	±7%	
ROTOR INERTIA (Kg-m <sup>2</sup> ) [lb-in <sup>2</sup> ]	5.0x10 <sup>-7</sup> [1.708x10 <sup>-3</sup> ] $\Delta$	
WEIGHT (Kg) [lb]	0.09 [0.198]	
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)		
AMBIENT TEMPERATURE -10~ 40°C [14°F ~ 104°F] $\Delta$		
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)		
INSULATION CLASS E 120° [248°F] $\Delta$		
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)		
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)		

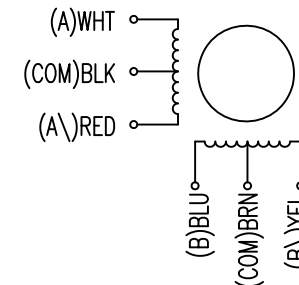
TYPE OF CONNECTION (EXTERN)			MOTOR		
UNIPOLAR	BIPOLAR		CONNECTOR PIN NO.	LEADS	WINDING
	1WINDING	SERIAL			
A ---	A ---	A ---	1	WHT	A
COM ---	COM ---	COM ---	5	BLK	COM
A\ ---	A\ ---	A\ ---	3	RED	A\
B ---	B ---	B ---	2	BLU	B
COM ---	COM ---	COM ---	6	BRN	COM
B\ ---	B\ ---	B\ ---	4	YEL	B\

for >speed ←---|  
for <speed ←---|

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

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

WIRING DIAGRAM



5	NEW TOLERANCES	25.07.13	A.S.
4	DRAWING UPDATED	12.04.10	J.W.
6	REMOVE LOAD SPEC.	28.02.14	J.D.
REV	DESCRIPTION	DATE	APVD



SP3575S0506-A

SCALE FREE	APVD	S.Hα.	12.03.07
X ±0.5	CHKD		
1PL ±0.2	DRN	J.W.	23.11.06
2PL ±0.1	SIGNATURE		DATE
ANGLE ±30'			

STEPPING MOTOR

DWG.NO

SP3575S0506-A