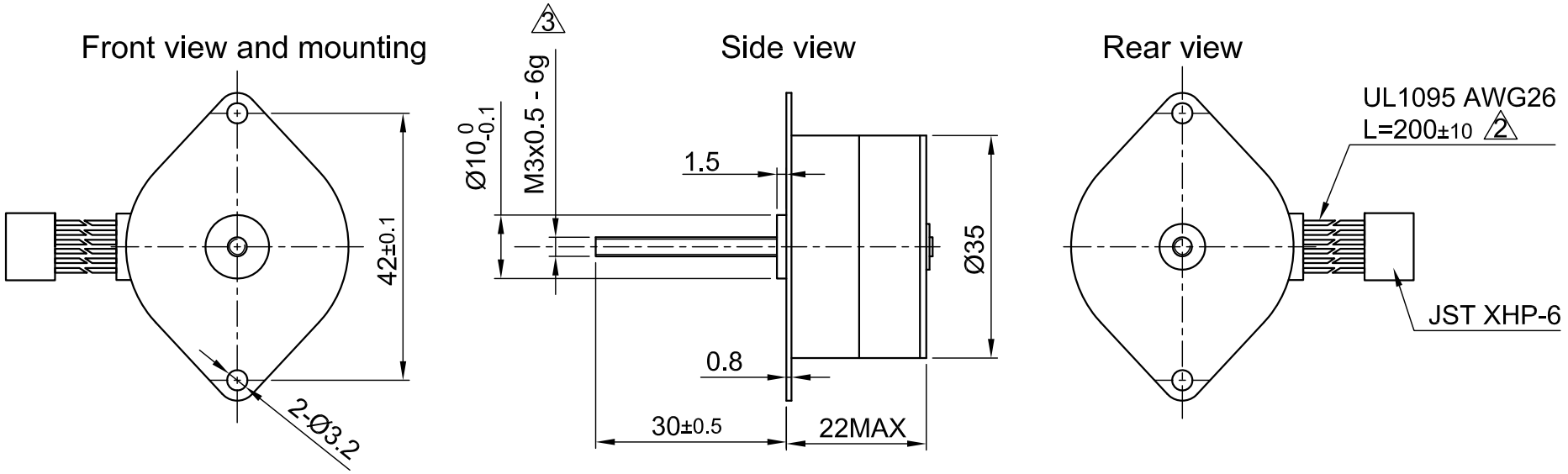
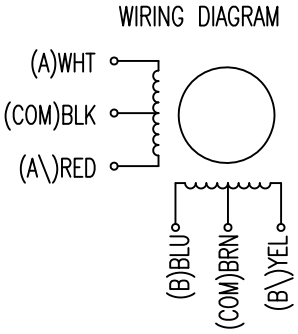


SPECIFICATION \ CONNECTION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR SERIAL
VOLTAGE (VDC)	12	7.0
AMPS/PHASE	0.22	0.16
RESISTANCE/PHASE (Ohms)@25°C	60±10%	120±10%
INDUCTANCE/PHASE (mH) @1KHz	31.6±20% ⚠1	126.4±20% ⚠1
HOLDING TORQUE (Nm) [lb-in]	0.052 [0.46]	0.074 [0.65]
DETENT TORQUE (Nm) [lb-in]	0.0125 [0.11]	0.0176 [0.156]
STEP ANGLE (°)	7.5	
STEP ACCURACY (NON-ACCUM)	±7%	
ROTOR INERTIA (Kg-m²) [lb-in²]	$7.5x10^{-7}$ [$2.57x10^{-3}$]	
WEIGHT (Kg) [lb]	0.093 [0.201]	

WIRING DIAGRAM



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\

TEMPERATURE RISE: MAX.70°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)	AXIAL-FORCE Fa (N)	Fa=??
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=??
INSULATION CLASS E 120° [248°F]		AXIAL / RADIAL
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)	SHAFT PLAY (mm)	0.06 / 0.06
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)	AT LOAD MAX: (N)	4.5 / 4.5

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

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

REV	DESCRIPTION	DATE	APVD
3	TOLERANCE THREAD	7.11.12	A.S.
2	TOLERANCE OF LENGTH	10.02.10	J.W.
1	VALUE OF INDUCTANCE	28.04.09	J.W.

Nanotec® PLUG & DRIVE

LSP3575M0206-M3x0.5

SCALE FREE		APVD	S.K.	24.04.06
X	±0.5	CHKD		
1PL	±0.2	DRN	J.W.	24.04.06
2PL	±0.1	SIGNATURE		DATE
ANGLE	±30'			

LINEAR AKTUATOR

DWG.NO LSP3575M0206-M3x0.5