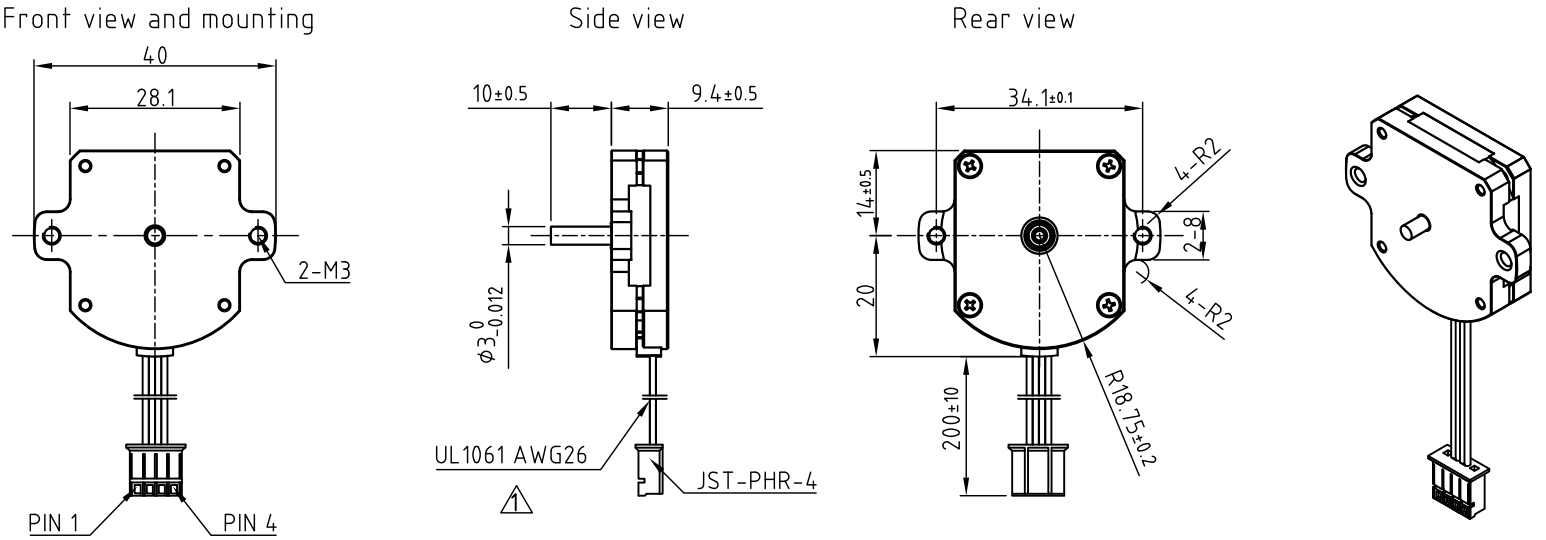
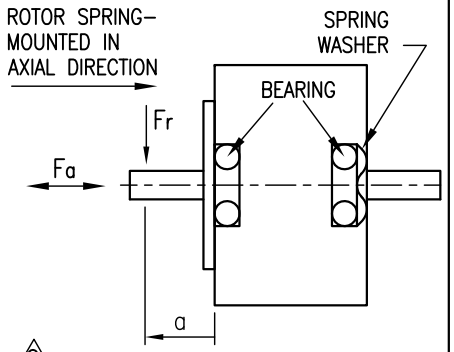


SPECIFICATION \ CONNECTION	BIPOLAR SERIES
VOLTAGE (VDC)	1.85
AMPS/PHASE	0.5
RESISTANCE/PHASE (Ohms)@20°C	3.7±10%
INDUCTANCE/PHASE (mH) @1KHz	0.88±20%
HOLDING TORQUE (Nm) [lb-in]	$9.8x10^{-3}$ [$8.68x10^{-2}$]
IP CODE	IP 30
STEP ANGLE (°)	1.8
STEP ACCURACY (NON-ACCUM)	±5%
ROTOR INERTIA ($Kg-m^2$) [$lb-in^2$]	$1.7x10^{-7}$ [$5.8x10^{-4}$]
WEIGHT (Kg) [lb]	$2.8x10^{-2}$ [$6.1x10^{-2}$]

PERMISSIBLE RADIAL+AXIAL FORCE



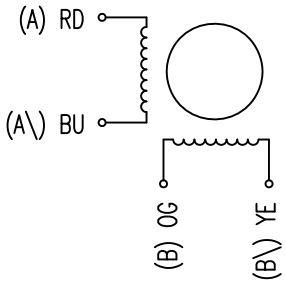
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)	AXIAL-FORCE Fa (N)	Fa=2.0
AMBIENT TEMPERATURE -10°~ 50°C [14°F ~ 122°F]	DISTANCE a (mm)	1/2 SHAFTLENGTH
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)	RADIAL-FORCE Fr (N)	Fr=5.0
INSULATION CLASS B 130° [266°F]		AXIAL / RADIAL
DIELECTRIC STRENGTH 500 VDC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)	SHAFT PLAY (mm)	0.5 / 0.06
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)	AT LOAD MAX: (N)	4.5 / 4.5

TYPE OF CONNECTION (EXTERN)	MOTOR		
BIPOLAR	CONNECTOR PIN NO.	LEADS	WINDING
A —	1	RD	A
A\ —	2	BU	A\
B —	3	OG	B
B\ —	4	YE	B\

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	DRN
2	ADD LIST	17.11.15	A.S.
1	ADD WIRE SPEC	10.11.14	J.D.
A	TOLERANCE CHANGE	29.1.13	A.S.

Nanotec® PLUG & DRIVE

STF2818X0504-A

SCALE FREE		APVD	S.H.	05.11.12
X	±0.5	CHKD		
1PL	±0.2	DRN	J.W.	05.11.12
2PL	±0.1	SIGNATURE		DATE
ANGLE	±30'			

STEPPING MOTOR

DWG.NO

STF2818X0504-A