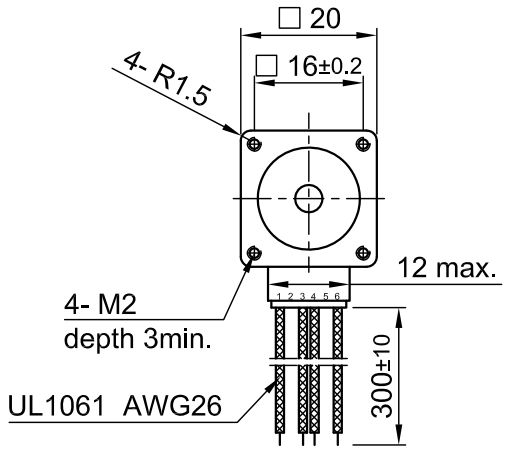
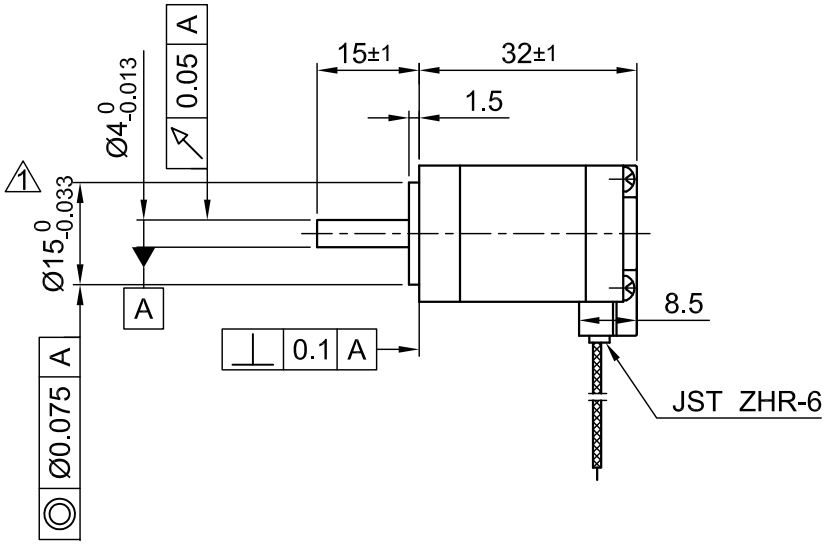
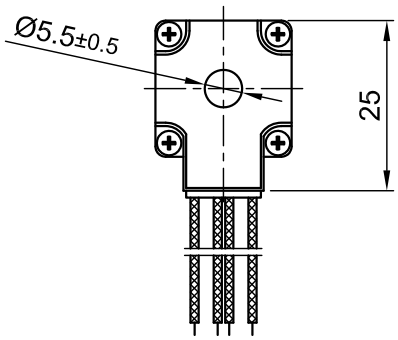
Front view and mounting



Side view

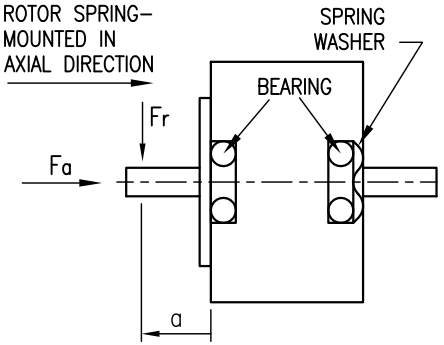


Rear view



SPECIFICATION \ CONNECTION	BIPOLAR
VOLTAGE (VDC)	4.08
AMPS/PHASE	0.6
RESISTANCE/PHASE (Ohms)@25°C	6.8±10%
INDUCTANCE/PHASE (mH) @1KHz	2.0±20%
HOLDING TORQUE (Nm) [lb-in]	0.018 [0.159]
DETENT TORQUE (Nm) [lb-in]	$9x10^{-4}$ [$7.95x10^{-3}$]
STEP ANGLE (°)+ ACCURACY	1.8±5%
ROTOR INERTIA ($Kg-m^2$) [$lb-in^2$]	$2.0x10^{-7}$ [$6.831x10^{-4}$]
WEIGHT (Kg) [lb]	0.06 [0.132]

PERMISSIBLE RADIAL+AXIAL FORCE



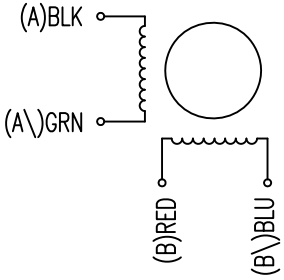
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)	AXIAL-FORCE Fa (N)	Fa=4			
AMBIENT TEMPERATURE -10°~ 50°C [14°F ~ 122°F]	DISTANCE a (mm)	5	10	15	20
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)	RADIAL-FORCE Fr (N)	30	18	14	8
INSULATION CLASS B 130° [266°F]		AXIAL		RADIAL	
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)	SHAFT PLAY (mm)	0.075		0.025	
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)	AT LOAD MAX: (N)	10		5.0	

TYPE OF CONNECTION (EXTERN)	MOTOR		
BIPOLAR	CONNECTOR PIN NO.	LEADS	WINDING
A —	1	BLK	A
A\ —	2	GRN	A\
B —	3	RED	B
B\ —	4	BLU	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
1	change tolerance ø15	23.02.16	A.S.

Nanotec® PLUG & DRIVE

Surface specification DIN ISO 1302 | General tolerances DIN ISO 2768- cH | Work piece edge DIN ISO 13715

		SIGNATURE	DATE
APVD	G.S.		21.04.15
CHKD			
DRN	A.S.		21.04.15

STEPPING MOTOR

DWG.NO SC2018S0604-A