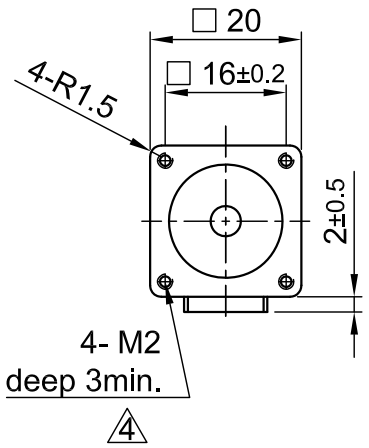
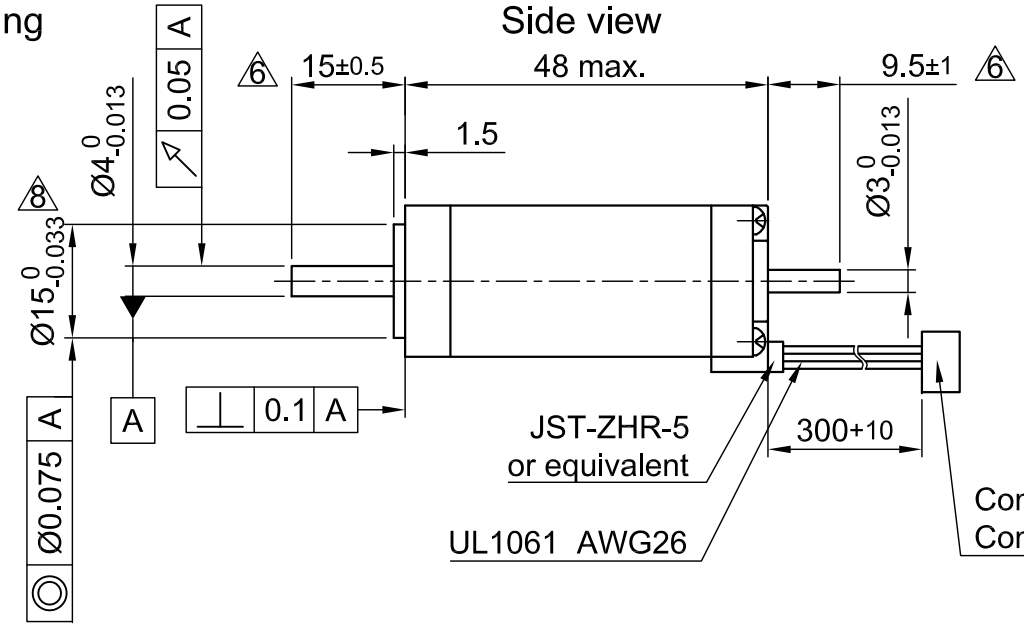
Front view and mounting

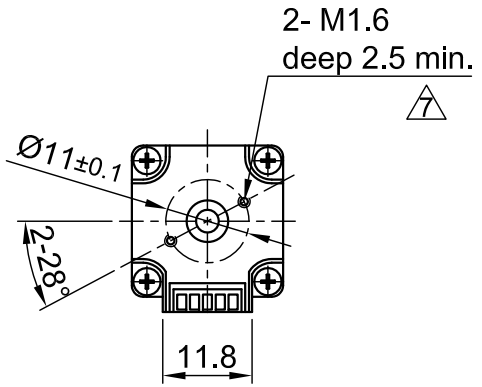


Side view



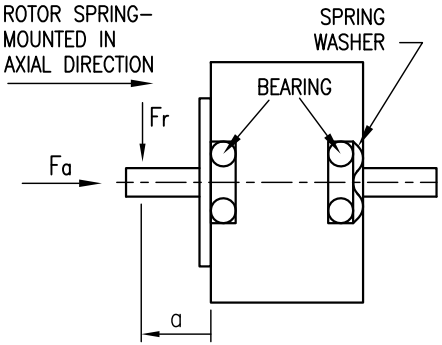
Connector: JST XHP-4
Contact: SXH-001T-P0.6

Rear view



SPECIFICATION \ CONNECTION	BIPOLAR
VOLTAGE (VDC)	4.8
AMPS/PHASE	0.8
RESISTANCE/PHASE (Ohms)@25°C	6.0±15%
INDUCTANCE/PHASE (mH) @1KHz	2.2±20%
HOLDING TORQUE (Nm) [lb-in]	0.036 [0.319]
DETENT TORQUE (Nm) [lb-in]	$1.8x10^{-3}$ [$1.6x10^{-2}$] 3
STEP ANGLE (°)	1.8
ACCURACY(NON-ACCUM)	±5%
ROTOR INERTIA (Kg-m^2) [lb-in^2]	$4.3x10^{-7}$ [$14.69x10^{-4}$] 5
WEIGHT (Kg) [lb]	0.09 [0.198]

PERMISSIBLE RADIAL+AXIAL FORCE



AXIAL-FORCE Fa (N)	Fa=4			
DISTANCE a (mm)	5	10	15	20
RADIAL-FORCE Fr (N)	30	18	14	8

	AXIAL	RADIAL
SHAFT PLAY (mm)	0.075	0.025
AT LOAD MAX: (N)	10	5.0

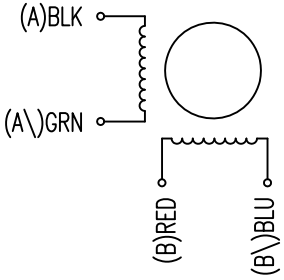
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)
AMBIENT TEMPERATURE -10°~ 50°C [14°F ~ 122°F]
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)
INSULATION CLASS B 130° [266°F]
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)

TYPE OF CONNECTION (EXTERN)	MOTOR		
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
8	CHANGE TOLERANCE ø15/REWORK DRAW	24.02.16	A.S.
7	new deep M1.6	25.08.15	A.S.
6	CHANGE TOLERANCE+DEL. BACK-EMF	06.12.13	J.D.

Nanotec® PLUG & DRIVE

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

APVD	S.K.	02.06.06
CHKD		
DRN	J.W.	02.06.06
SIGNATURE		DATE

STEPPING MOTOR

DWG.NO
ST2018L0804-B