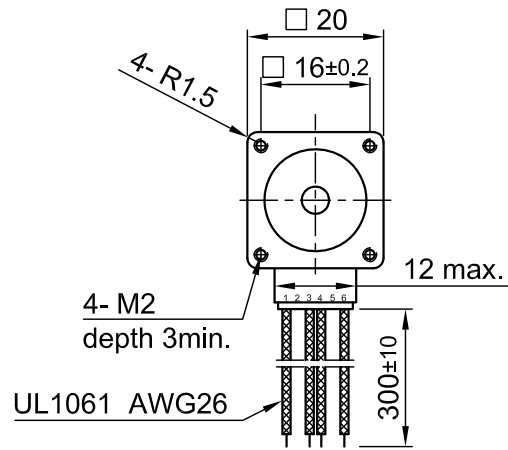
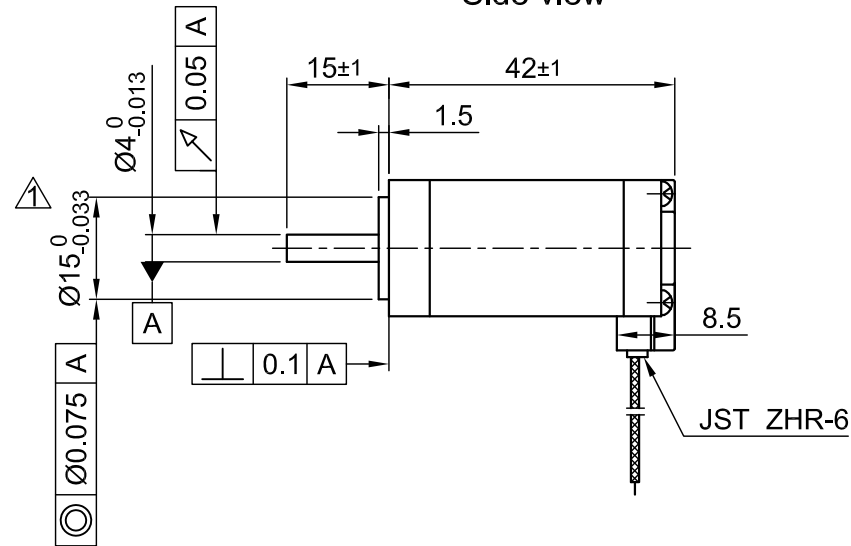


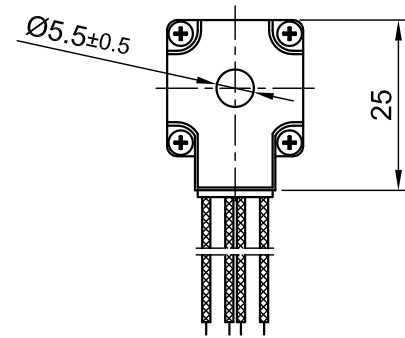
Front view and mounting



Side view



Rear view



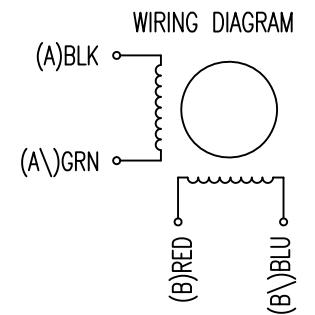
SPECIFICATION	CONNECTION	BIPOLAR
VOLTAGE (VDC)		4.48
AMPS/PHASE		0.8
RESISTANCE/PHASE (Ohms)@25°C		5.6±10%
INDUCTANCE/PHASE (mH) @1KHz		1.8±20%
HOLDING TORQUE (Nm) [lb-in]		0.03 [0.265]
DETENT TORQUE (Nm) [lb-in]		1.5x10 <sup>-3</sup> [0.013]
STEP ANGLE (°)+ ACCURACY		1.8±5%
ROTOR INERTIA (Kg-m <sup>2</sup> ) [lb-in <sup>2</sup> ]		3.6x10 <sup>-7</sup> [12.3x10 <sup>-4</sup> ]
WEIGHT (Kg) [lb]		0.08 [0.176]
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)		

PERMISSIBLE RADIAL+AXIAL FORCE	
ROTOR SPRING-MOUNTED IN AXIAL DIRECTION	
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

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	CW
1	+	+	-	-	↓	↑
2	-	+	+	-	↑	↓
3	-	-	+	+	↓	↑
4	+	-	-	+	↑	↓



				 <b>Nanotec</b> <sup>®</sup> PLUG & DRIVE			APVD	G.S.	21.04.15	<b>STEPPING MOTOR</b> DWG.NO SC2018M0804-A
1	change tolerance Ø15	23.02.16	A.S.	Surface specification DIN ISO 1302	General tolerances DIN ISO 2768- cH	Work piece edge DIN ISO 13715	DRN	A.S.	21.04.15	
REV	DESCRIPTION	DATE	DRN				SIGNATURE	DATE		