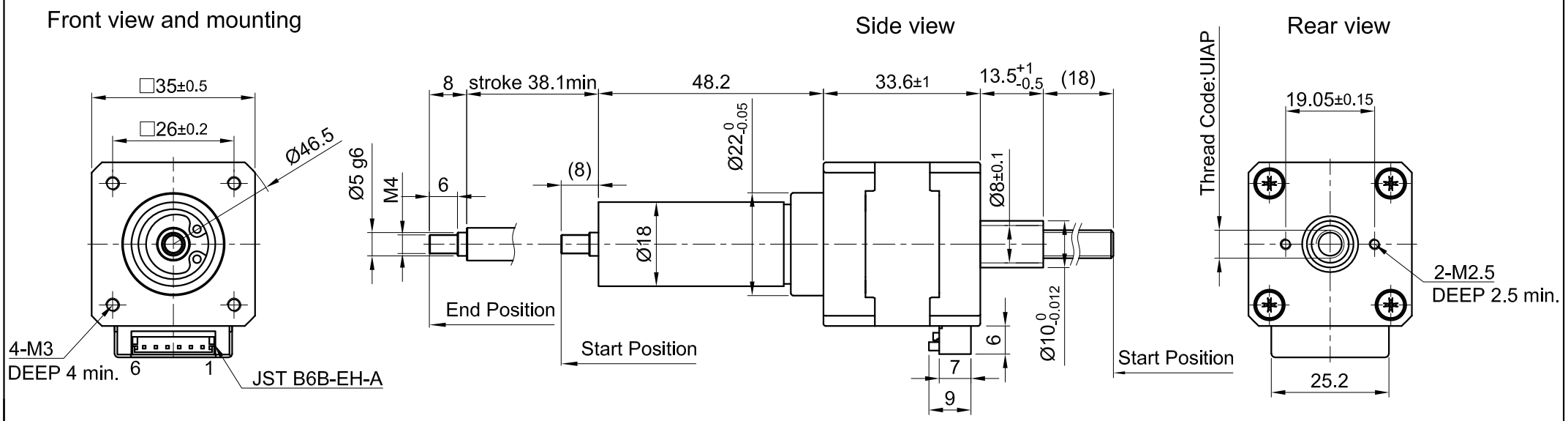


SPECIFICATION / CONNECTION	BIPOLAR
AMPS/PHASE	1.2
RESISTANCE/PHASE (Ohms)@25°C	1.85±15%
INDUCTANCE/PHASE (mH) @1KHz	2.46±20%
THREAD DIAMETER (mm) [in]	5.55625 [0.21875]
THREAD LEAD(mm) [in]	0.6096 [0.024]
THRUST (N)	242.4
RESOLUTION (mm/STEP)	0.003048
MAX. SPEED (mm/sec.) AT 24V	13
WEIGHT (Kg) [lb]	0.21 [0.46]
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)	

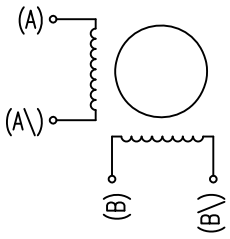
Please regard the application note at www.nanotec.com for further informations.

MOTOR	
CONNECTOR PIN NO.	WINDING
1 (NC)	A
2	A\
3	B
4	B\
5	
6 (NC)	

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
B	–	30.06.20	X T
A	–	04.12.19	X T

Nanotec® PLUG & DRIVE

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

APVD	P.R.	04.06.19
CHKD	GYQ	04.06.19
DRN	X T	04.06.19
SIGNATURE		DATE

LINEAR ACTUATOR

DWG.NO LGA351S12–B–UIAP–038