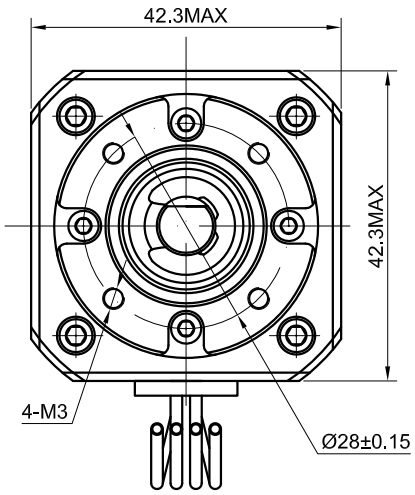
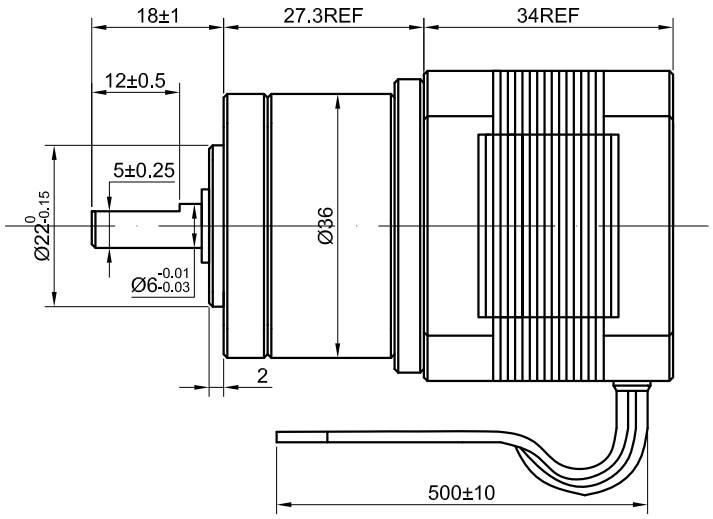


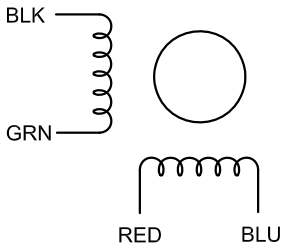


SPECIFICATION / CONNECTION	BIPOLAR
VOTAGE(VOC)	12.00
AMPS/PHASE	0.4
RESISTANCE/PHASE(Ohms)@25°C	30.00±10%
INDUCTANCE/PHASE(mH)@1KHz	37.00±20%
HOLDING TORQUE w/o GEARBOX(Nm)[lb-in]	0.26[2.30]
GEAR RATIO	$5\frac{2}{11}$
EFFICIENCY	90.00%
STEP ANGLE w/o GEARBOX(°)	1.80
BACKLASH@NO-LOAD	<=1°
MAX.PERMISSIBLE TORQUE(Nm)	2.00
MOMENT PERMISSIBLE TORQUE(Nm)	4.00
SHAFT MAXIMUM AXIAL LOAD(N)	50.00
SHAFT MAXIMUM RADIAL LOAD(N)	100.00
WEIGHT(Kg)[lb]	0.50[1.10]
TEMPERATURE RISE:MAX.80°C（MOTOR STANDSTILL;FOR 2PHASE ENERGIZED）	
AMBIENT TEMPERATURE -10°C~50°C[14°F~122°F]	
INSULATION CLASS B 130°C[266°F]	

TYPE OF CONNECTION (EXTERN)		MOTOR	
PIN NO	BIPOLAR	LEADS	WINDING
1	A —	BLK	A
2	A\ —	GRN	A\
3	B —	RED	B
4	B\ —	BLU	B\

FULL STEP 2 PHASE-Ex. ,
WHEN FACING MOUNTING END (X)

STEP	A	B	A\	B\		
1	+	+	-	-	↓	CCW
2	-	+	+	-		↑
3	-	-	+	+	CW	
4	+	-	-	+		



	APVD			STEPPER MOTOR
	CHKD			
1:1	DRN			17HS13-0404S-PG5
SCALE	SIGNATURE		DATE	