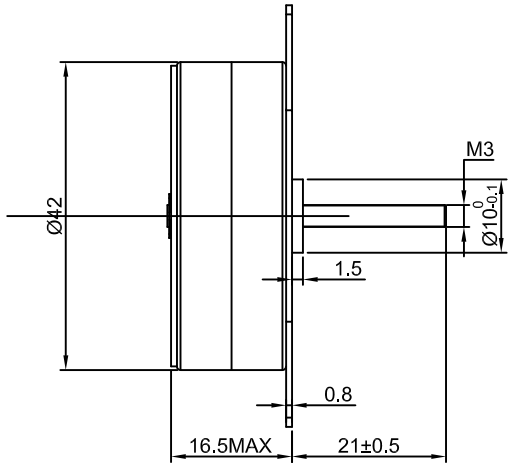
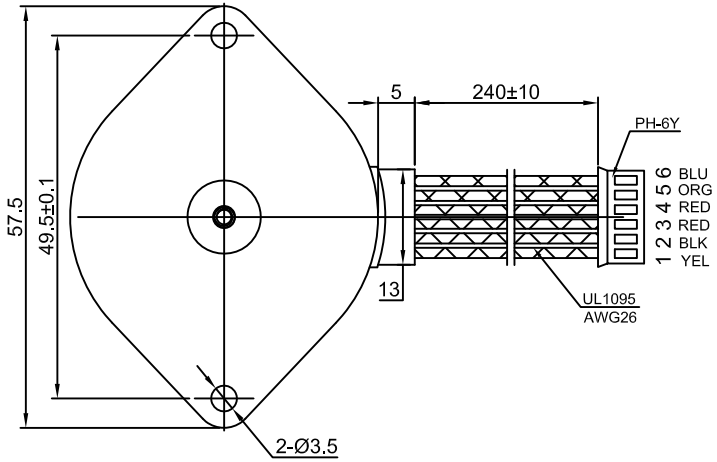
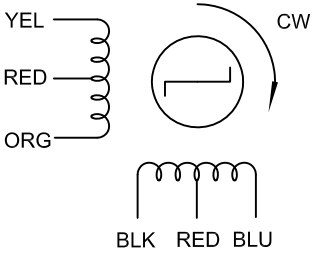


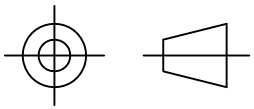


SPECIFICATION	VALUE
NO. OF PHASE	4
AMPS/PHASE	0.40
RESISTANCE/PHASE(Ohms)@20°C	40±7%
INDUCTANCE/PHASE(mH)@1KHz	20±20%
HOLDING TORQUE(mN.m)[lb-in]	>53.9[0.48]
LINEAR TRAVEL/STEP(mm)	0.0104
LEAD(mm)	0.5
STEP ANGLE(°)	7.5±7%
PULL-IN RATE(PPS)	350
PULL-IN TORQUE(mN.m)@200PPS	6.86
DETENT TORQUE(mN.m)	<12.25
ROTOR INERTIA(g-cm²)	<9.6
WEIGHT(g)[lb]	100[0.22]
LIFE(h)@20°C 200PPS	3000 MIN
INSULATION RESISTANCE(MΩ) @DC 500V	100
TEMPERATURE RISE:MAX.75°C	
AMBIENT TEMPERATURE -10°C~40°C[14°F~104°F]	
INSULATION CLASS E 120°C[248°F]	
DIELECTRIC STRENGTH 650±50VAC FOR 2SEC.(BETWEEN THE MOTOR COILS AND THE MOTOR CASE)	

FULL STEP 4 PHASE-Ex. ,
WHEN FACING MOUNTING END (X)

PIN NO.	WIRE COLOR	STEP			
		1	2	3	4
1	YEL	-			-
2	BLK	-	-		
3	RED	+	+	+	+
4	RED	+	+	+	+
5	ORG		-	-	
6	BLU			-	-





OY STEPPER

mm	APVD		5.15.2019	PM STEPPER MOTOR
UNIT	CHKD			
2:1	DRN			42LN48S01-122
SCALE	SIGNATURE		DATE	