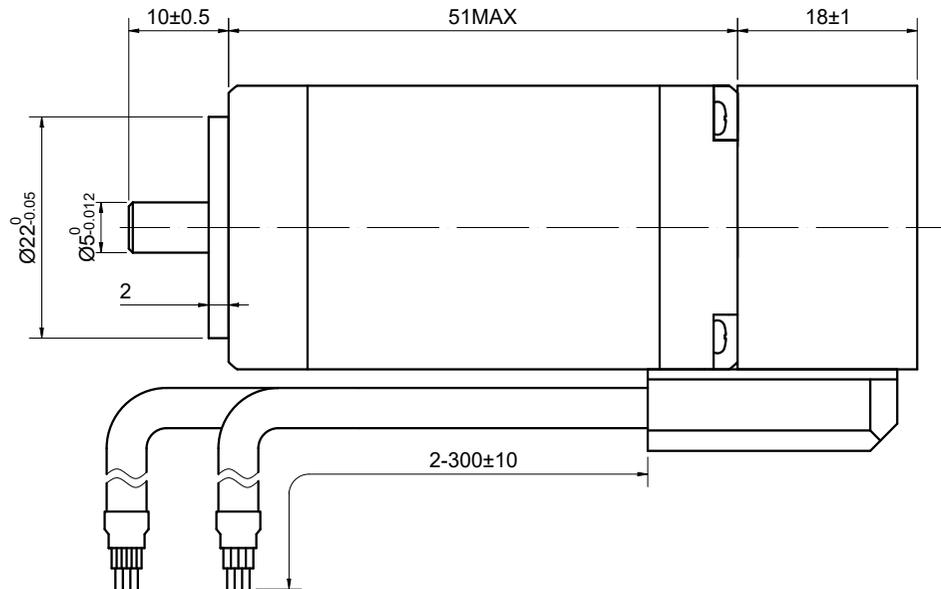
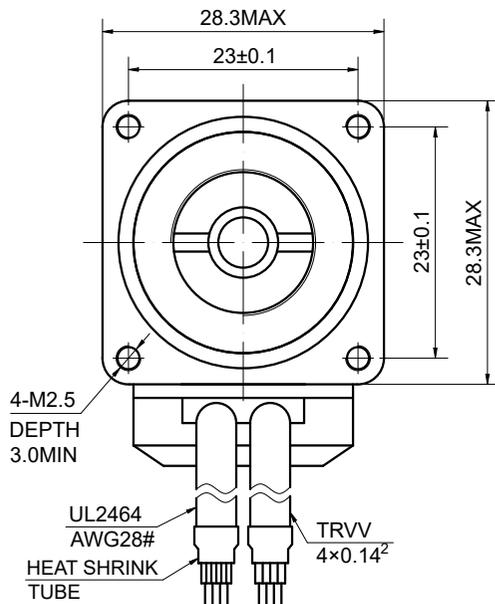


DWG NO. -



ENCODER RESOLUTION:1000PPR(4000CPR)

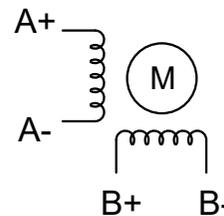
LEAD COLOR	WHT	RED	BLK	ORG	GRY	YEL	GRN	BLU
DESCRIPTION	EA+	VCC	GND	EB+	EB-	EA-	EZ+	EZ-

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

STEP	A+	B+	A-	B-		CCW
1	+	+	-	-		CCW ↑
2	-	+	+	-		
3	-	-	+	+		
4	+	-	-	+		

UNIT mm
GB/T 1804-M EQV.ISO
2768-1 CLASS M:
≤6 ±0.1
>6~30 ±0.2
>30~120 ±0.3
>120~400 ±0.5

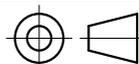
WINDING



PIN NO	BIPOLAR	LEADS
1	A+	BLK
2	A-	GRN
3	B+	RED
4	B-	BLU

SPECIFICATION		CONNECTION	BIPOLAR
AMPS/PHASE			1.00
RESISTANCE/PHASE(Ohms)@25°C			3.50±10%
INDUCTANCE/PHASE(mH)@1KHz			3.20±20%
HOLDING TORQUE(Nm)[lb-in]			0.14[1.24]
STEP ANGLE(°)			1.80
STEP ACCURACY(NON-ACCUM)			±5.00%
ROTOR INERTIA(g-cm²)			18.00
WEIGHT(Kg)[lb]			—
AMBIENT TEMPERATURE			-10°C~50°C[14°F~122°F]
INSULATION CLASS			B 130°C[266°F]
TEMPERATURE RISE			MAX.80°C

OSMTEC®
Stepper Motor Specialists



mm

UNITS	DRN	ZPJ	1.16.2026
3:2	APVD	-	12.25.2025
SCALE	SIGNATURE	DATE	

STEPPER MOTOR

11HS20-1004D-E1000-EGS