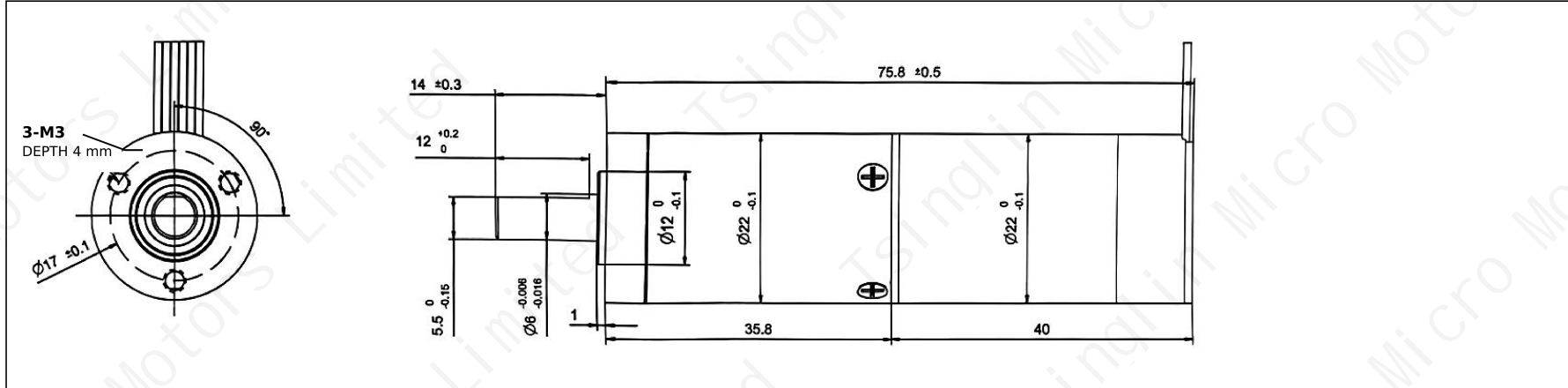


MODEL: TSL-PG22K750-KW2230

22 mm Planetary Gearbox + 22 mm Coreless Brushless DC Motor + Built-in Driver

Projection: First-angle projection | Unspecified linear and angular tolerances: GB/T 1804-m eqv ISO 2768-1:m

Outline Dimensions (unit: mm)



Product image

Motor Performance	
Motor type	Coreless BLDC motor
Rated voltage	12 V
No-load speed	13000 +/- 10% RPM
No-load current	<= 0.3 A
Load speed	9000 +/- 10% RPM
Load torque	>= 100 g.cm
Load current	<= 2 A
Stall torque	>= 1000 g.cm
Stall current	<= 8 A
Pole pairs	1 pair
Operating temperature	-40 to 120 deg C
Noise	<= 40 dB
Maximum efficiency	80%

Geared Motor Performance	
Rated voltage	12 V
No-load speed	17 +/- 10% RPM
No-load current	<= 0.5 A
Load speed	12 +/- 10% RPM
Load torque	>= 6 N.m
Load current	<= 3 A
Operating temperature	-40 to 125 deg C
Gear ratio	1:750
Noise	<= 45 dB
Gearbox material	Steel (machined)

Built-in Driver Pin Assignment	
Pin 1	VCC, red, positive
Pin 2	GND, black, negative
Pin 3	CW/CCW, white, direction
Pin 4	FG, yellow, signal
Pin 5	PWM, blue, speed control

Wiring Instructions
Reverse rotation: connect red to positive; connect black and blue together to negative.
Forward rotation: connect red to positive; connect black, blue and white together to negative.