

FEATURES

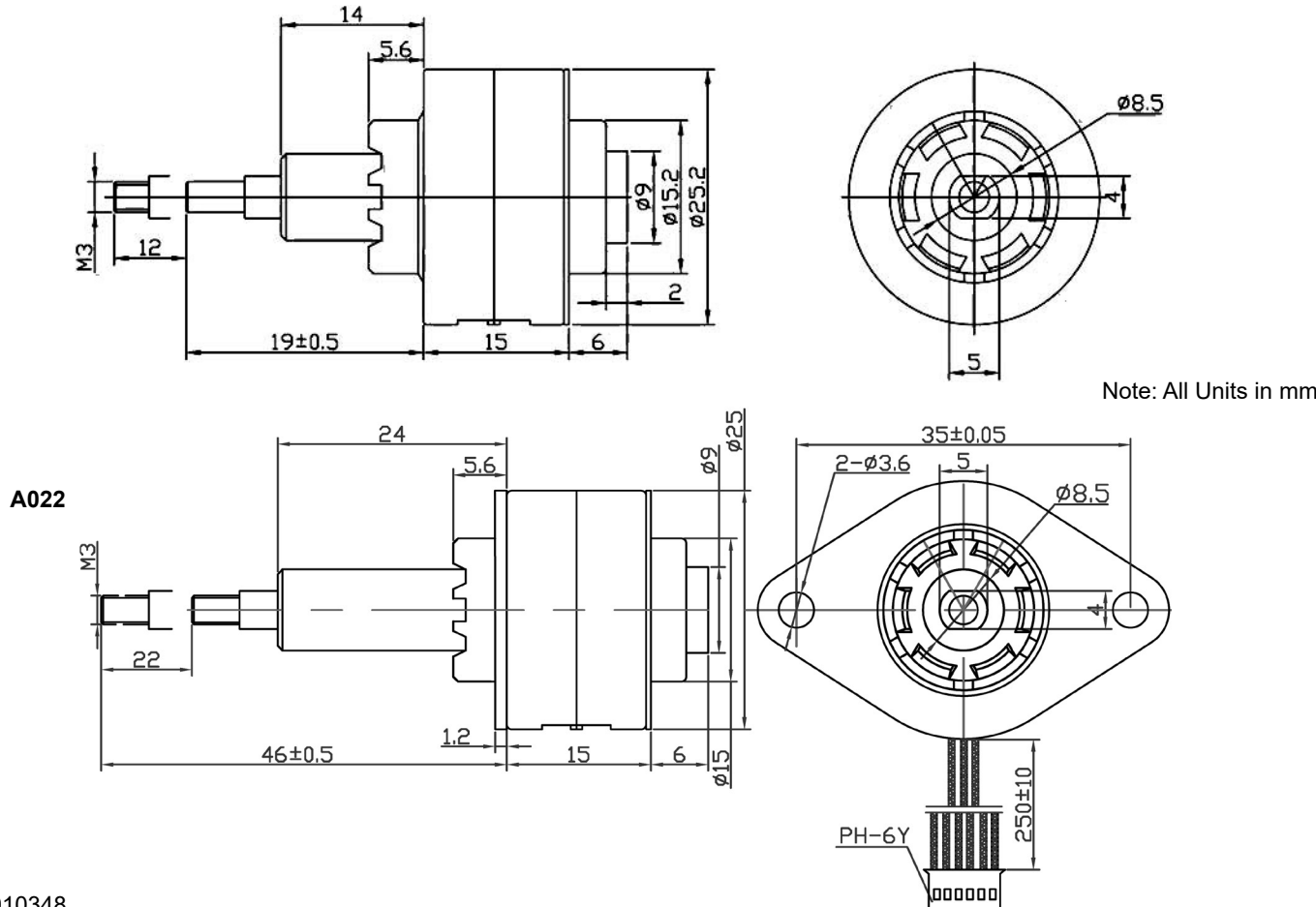
- Permanent Magnet Stepper Motor Actuator
- Precise Motion at a Low Cost
- 10 Newton of Force
- 25 mm Diameter
- Actuator Extends Out of The Motor
- Inexpensively Create Linear Travel



DESCRIPTION

The TSFCA25 Series Captive Linear Actuators are the perfect choice for cost effective linear motion. The stepper motor internally converts rotary motion to linear motion via a rotating nut and a leadscrew. This actuator eliminates the need for other rotary-to-linear conversions such as belt and pulleys, rack and pinions, or external ball screws. Motion design can be simplified, production cost lowered and product life enhanced. The motors can be customized to fit your machine requirements. The winding can be customized to perfectly match your voltage, current, and maximum operating speed. Special screw modifications, cables and connectors are also available upon request.

DIMENSIONS



L010348

Model	Step Angle (deg)	# Of Wires	Voltage (V)	Current Per Phase (A)	Resistance Per Phase	Force (N)	Travel (mm)	Screw Type
TSFCA25-150-21-023-LW4	15	4	5	0.23	22	10	12	M3
TSFCA25-150-21-023-LW6-A022	15	4	12	0.23	53	15	22	M3

Item	Specifications
Step Angle Accuracy	$\pm 8\%$ (full step, no load)
Resistance Accuracy	$\pm 10\%$
Inductance Accuracy	$\pm 20\%$
Temperature Rise	80° C Max
Ambient Temperature	-20° C to + 50°C
Insulation Resistance	100M $\Omega$ Min., 500VDC
Dielectric Strength	500VAC for one minute
Shaft Radial Play	0.06Max. (450 g-load)
Shaft Axial Play	0.08Max. (450 g-load)
Screw Type	M3

