



PL Linear  
Type Motors

## Reference Characteristics

Motor Size	PL25L — A24		
Number of Steps per Rotation	24 step		
Screw Pitch	0.61mm	0.8mm	1.2mm
Pitch / Step (at 2phase on)	0.025mm / Step	0.033mm / Step	0.050mm / Step
Drive Method	2 — 2 PHASE		
Drive Circuit	BIPOLAR CHOPPER		
Drive Voltage	12 [V]		
DC Resistance	14.7 [ $\Omega$ ]		
Current / Phase	300 [mA]		
Drive IC	UDN2916B — V		
Magnet Material	Nd-Fe-B bonded magnet (MS70)		
Insulation Resistance	100M [ $\Omega$ ] MIN		
Dielectric Strength	AC 500 [V] 1 [min]		
Class of Insulation	CLASS B (U — except lead wire)		
Operating Temp.	0 [°C] ~ 65 [°C]		
Storage Temp.	- 30 [°C] ~ 80 [°C]		
Operating Hum.	20 [%] RH ~ 90 [%] RH		

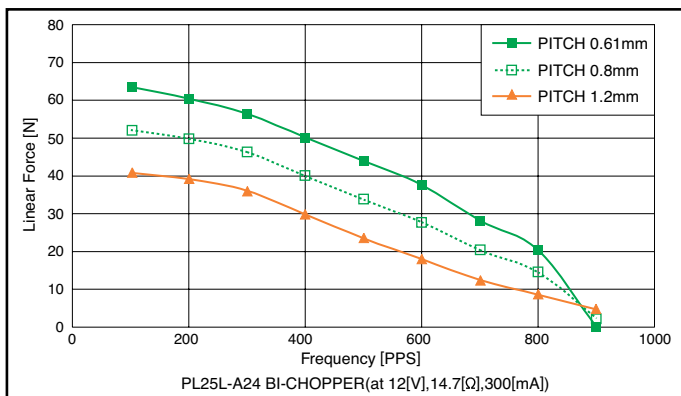
## Applications

Industrial equipment : Flow control valves

Communication equipment : Antenna adjustment device

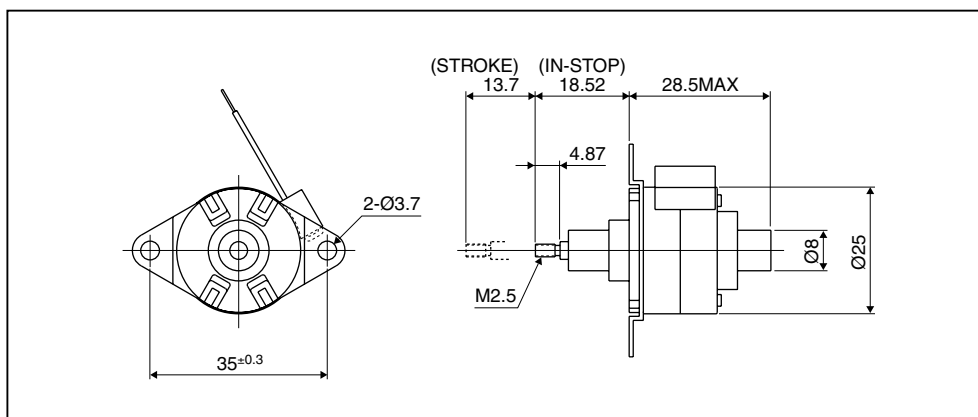
Automotive : Optic axis control device

## Torque Characteristics



These torque values are reference only. Heat radiation conditions and temperature rise effect by duty are different on each equipment, therefore please select motors after considering the actual equipment.

## Dimensions



Please contact our sales for inventory and lot information. Specification may be changed without notice.