

## • Parameter

Motor	Current (A)	Resistance ( $\Omega$ )	Inductance (mH)	Holding Torque (Nm)	Rotor Inertia ( $g\text{-cm}^2$ )	Length (mm)	Mass (g)
MOT1427-05-S	0,5	14	18	0,1	19	27	150
MOT1437-15-S	1,5	2,7	3,8	0,2	28	37	210
MOT1452-15-S	1,5	3,3	5,0	0,4	50	52	250

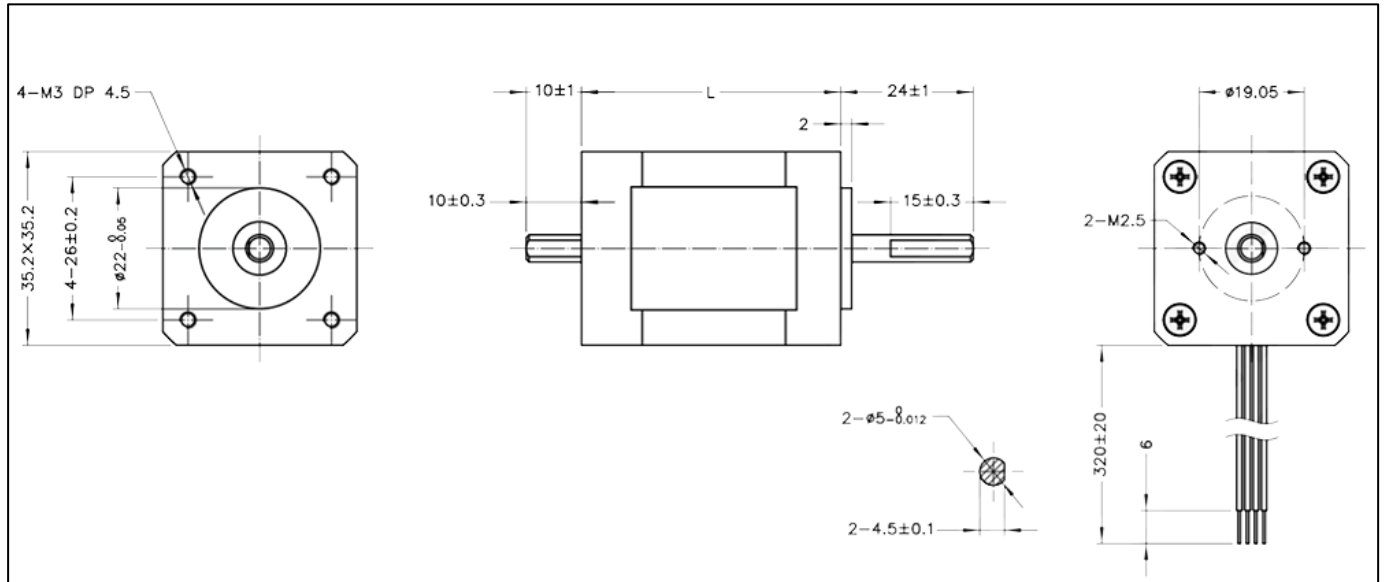
## • General

<b>Accuracy</b>	<b>Step angle</b>	1,8° ± 5%	
	<b>Resistance</b>	± 10% / 20 C	
	<b>Inductance</b>	± 20% / 1KHz	
<b>Insulation class</b>		B	
<b>Duty type</b>		S1	
<b>Dielectrical strength</b>		500 VAC / 1 KHz / 1 mA / 1 s	
<b>Insulation resistance</b>		100 M $\Omega$ / 500 VDC	
<b>Permissible radial load (5MM distance from mounting surface)</b>	<b>Permissible radial load (10MM distance from mounting surface)</b>	<b>Permissible radial load (15MM distance from mounting surface)</b>	<b>Permissible radial load (20MM distance from mounting surface)</b>
50N	40N	25N	20N

## • Material

<b>End bell</b>	Aluminum alloy
<b>Bearing</b>	Deep groove ball bearing
<b>Magnet</b>	Sintered NdFeB
<b>Shaft</b>	Stainless steel
<b>Wiring</b>	UL 3265, 26 AWG

- **Dimensional Drawings**



- **Torque Performance Curves**

Chopper drive      24 VDC      2 phases on

Pull out torque-speed curves 24 V DC Chopper driver, 2 phases

