

• Parameter

Motor	Current (A)	Resistance (Ω)	Inductance (mH)	Holding Torque (Nm)	Rotor Inertia ($g\text{-cm}^2$)	Length (mm)	Mass (g)
MOT1420-04-S	0,4	19	19	0,1	11	20	100
MOT1427-05-S	0,5	14	18	0,15	19	27	140
MOT1437-12-S	1,2	2,7	3,8	0,24	28	37	180
MOT1452-12-S	1,2	3,3	5,0	0,35	50	52	300

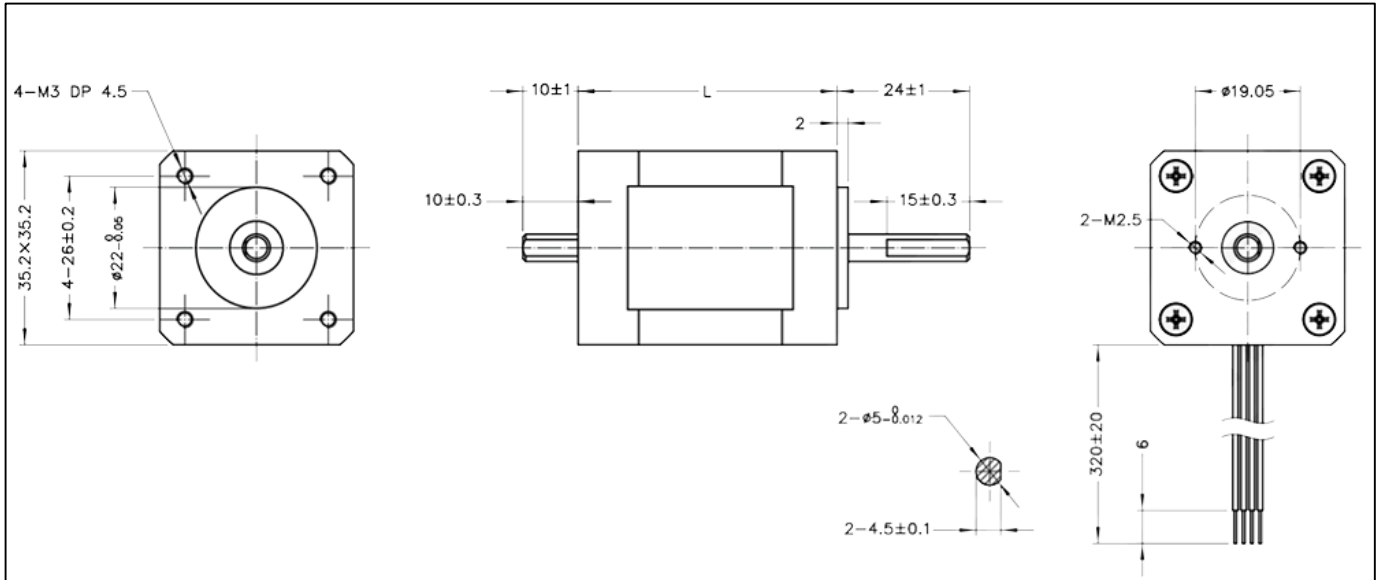
• General

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

• Material

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

- Dimensional Drawings



- Torque Performance Curves

Chopper drive 24 VDC 2 phases on

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

